

# assalle

COLLEGE BULLETIN 1972 · A LIBERAL ARTS COLLEGE FOR MEN AND WOMEN





# **LA SALLE**



## **COLLEGE BULLETIN 1971•72**

A LIBERAL ARTS COLLEGE  
FOR MEN AND WOMEN  
CONDUCTED BY  
BROTHERS OF THE CHRISTIAN SCHOOLS  
PHILADELPHIA, PENNSYLVANIA

### ACCREDITATION AND MEMBERSHIP

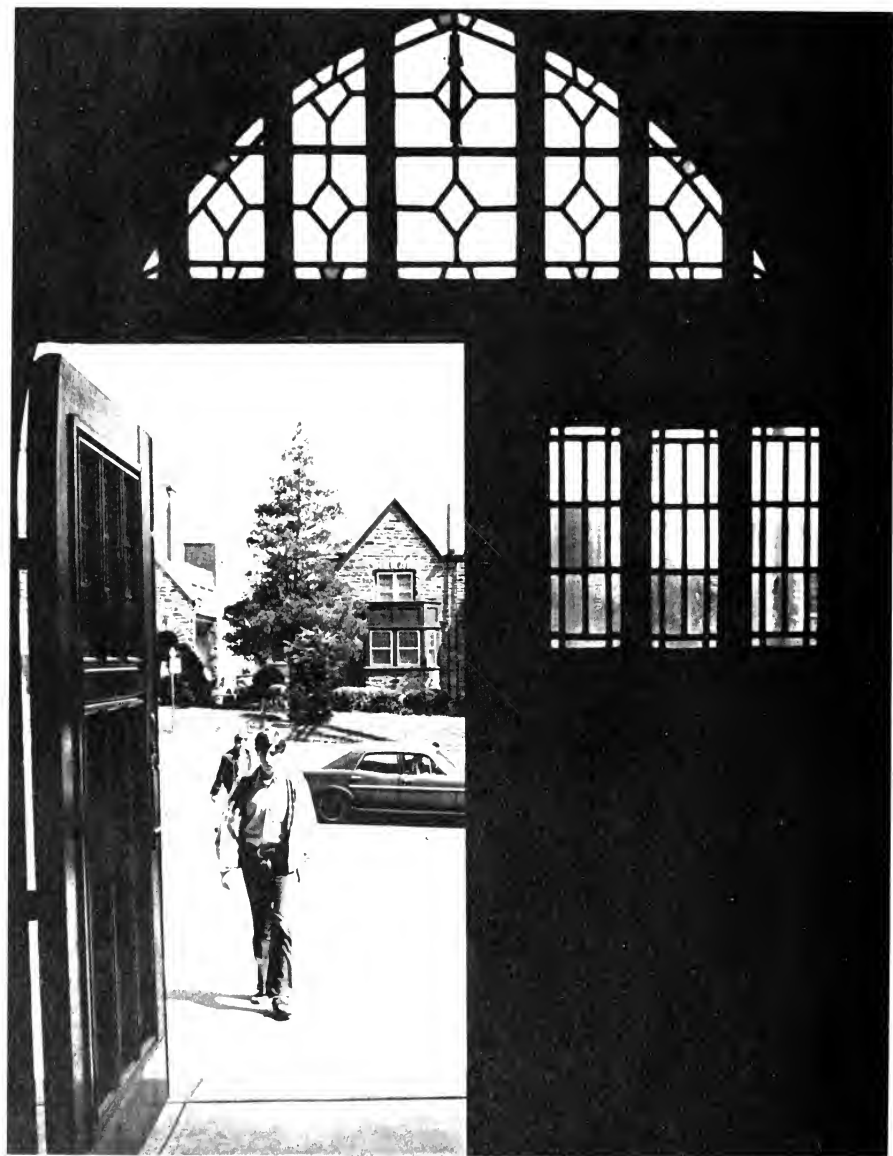
La Salle College was chartered in 1863 by the Legislature of the Commonwealth of Pennsylvania and is empowered by that authority to grant academic degrees. It is accredited with the Middle States Association of Colleges and Secondary Schools, the Pennsylvania Department of Education, the Regents of the University of the State of New York, the American Chemical Society, and the Pennsylvania State Board of Law Examiners.

The College is a member of the American Council on Education, the Association of American Colleges, the College Entrance Examination Board, the American Association of Collegiate Registrars and Admissions Officers, the Association of College Admissions Counselors, the National Catholic Educational Association, the College and University Council of Pennsylvania, the Association of Liberal Arts Colleges of Pennsylvania for the Advancement of Teaching, the Pennsylvania Catholic Education Association, the American Library Association, the National Commission on Accrediting, the American Catholic Historical Society, the Educational Conference of the Brothers of the Christian Schools, and the National Association for Foreign Student Affairs.



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# **A Profile of La Salle**

## **The Historical Side**

La Salle College was founded in 1863 by a group of brothers, priests, and laymen. The nucleus for the new college was the Academy conducted by the Christian Brothers as an adjunct to St. Michael's School. Later the College moved downtown to a site in center city at Juniper and Filbert Streets. Outgrowing that location, La Salle moved north on Broad Street and began a 43 year stay at the Bouvier Mansion at 1240 North Broad Street.

In 1929, the expanding College made its last move. The new site on the edge of Germantown was part of historic Belfield Farm, once the home of American painter Charles Willson Peale. The College experienced some difficult years in its new home as first the depression then the war depleted the student population.

Just before the war ended, La Salle's enrollment was 90 students. A year later the campus was bulging with 1,200 veterans and a new chapter in La Salle's history had begun. In meeting the postwar demand for education, La Salle became virtually a new college.

A small college no more, La Salle reorganized its administrative structure in keeping with its new size. In 1946, the Evening Division was founded, meeting the needs of the metropolitan area so well that its present enrollment equals that of the Day Division. The College admitted women as full time day and resident students in 1970.

Physically, the campus has been transformed. To meet the needs of 3,000 day students and a similar number at night, the College has been building continually for the past twenty years. Additions have included a library, a College Union, seven residence halls, a Science Center, a biological field station, a new classroom and office building and an athletic facilities building.

This remarkable physical growth has been matched by a comparable academic development. Studies have shown a continuing improvement in the credentials of each entering class. A thriving honors program is in operation. A \$400,000 library development program has substantially increased the library's holdings. The curriculum has been revised to provide greater flexibility and emphasis on individual effort. An exhaustive self-study conducted by the College between 1963 and 1966 analyzed past progress and present and future needs, culminating in a ten year plan for continued improvement in every facet of teaching and learning.



## The Physical Side

For a city college, La Salle's campus is surprising. Tucked behind the brick facades on Olney Avenue is a pleasantly green and peaceful tract of about forty acres. Though buses stop at the door and the subway is only a few blocks away, the campus benefits from some of the country-like aspects of its site. Across 20th Street is historic Belfield, one of the few farms within the city limits. South of the campus lies Wister Woods, now a part of Fairmount Park. The result of these happy accidents of locale is that the campus retains a somewhat suburban atmosphere while losing none of the advantages of being an urban college.

La Salle is fortunate too in having ready access to the educational facilities of the Philadelphia area. "The Old Capital" contains rich cultural resources in art, music, and history. Its many libraries, museums, historic buildings, and great educational institutions offer a magnificent heritage to the student. Nearby Germantown is the site of beautiful old homes and memorable locations dating back to revolutionary times.

La Salle's century-old tradition is reflected in the collegiate Gothic spires of College Hall and Wister Hall; its commitment to the future is seen in the clean, functional lines of such buildings as the Holroyd Science Center, the College Union, and the adjoining classroom and office building recently completed.

One of the first of the newer generation of buildings is the David Leo Lawrence Memorial Library, built in 1952. The rapid growth of the collection to its present 175,000 volumes and periodical files of some 700 journals is already taxing the available space in this modern air-conditioned structure, and a new library is being planned.

The College Union, built in 1959, is the focal point of many student activities. There are concerts and lectures in the theatre, dances in the ballroom, and the inevitable college "bull sessions" in dining halls, meeting rooms, and lounges.

The residence hall complex houses some 750 men and women in pleasant and comfortable rooms and apartments.



# The Human Side

More than buildings, more than books, more than lectures and examinations, education is a matter of people. It is the people who make up La Salle—the students and the teachers—who give the College its character. You may well ask, “What are they like, these people with whom I may spend my next four years?”

Most of the students come from the northeastern states, but there are representatives from 21 states and 14 foreign countries. Studies of student characteristics reveal that 75% of the students will probably pursue graduate or professional studies. A majority of them selected “to broaden intellectual interests” when asked to identify their goal in coming to college. Such interest promotes a common bond between majors in a particular subject that often ripens into permanent friendships that are continued in alumni professional groups.

Your teachers at La Salle are Christian Brothers, priests, and lay professors. All of them share the same goal: to be of as much help to you, the student, as they can be. St. La Salle's dedication to teaching is the informing spirit of the College, and you will be conscious of this spirit in the willingness of your professors to give that extra moment of explanation or advice which can mean so much. While many of these men are engaged in their own scholarship or research, their primary focus is always the classroom and their basic obligation is to you, the student.

Making the transition between high school and college is never easy, but at La Salle you will find many people who want to help and who understand some of the problems you face perhaps better than you do yourself.

During the summer months preceding the start of classes you will be invited to participate in a counseling program. Several forms will be mailed to you to complete at home and these will become part of your personal file in the Counseling Center. Later you will come to the campus for a full day of conferences with the Counseling Center staff. At this time you will have an interview with your counselor to discuss your educational and career plans. Besides this initial counseling program, the Counseling Center offers con-



tinued diagnostic and counseling services throughout your college years. If you are unsure of your major or of your vocational plans, the staff is happy to assist you in making a sound choice based on your own interests and capabilities. The Center also offers personal counseling and psychiatric consultation, as well as informational services about graduate and professional schools, drugs, selective service, and a variety of occupations.

During the summer before you begin your freshman year, you are invited to attend a Freshman Forum arranged to help you get acquainted with the College and with some of your new classmates. In the informal atmosphere of small group discussions, you have the opportunity of sharing your ideas with other freshmen, with upperclassmen who have experienced the same problems, and with faculty members and administrators anxious to be of help. The aim of the program is to make your psychological and social adjustment to college life as pleasant as possible.

Nor is your physical well-being neglected while you are on campus. A College physician is always on call, and a registered nurse is in daily attendance in the dispensary. Medical insurance is available and recommended to all students.

Throughout your college days, the Director of the Career Planning and Placement Bureau will be at your service to help you select a career and assist you in planning job campaigns. This office is sometimes able to assist students in finding part time or summer jobs related to their career goals.

All in all, you will find the human side at La Salle an important part of your education. Long after you have forgotten painfully memorized facts from a textbook or lecture, you will remember the teachers and students with whom you associated in your college years.





## The Social Side

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The social side of college life should be a vital part of your educational experience. In living with others, planning activities together, and sharing your ideas in hours of informal discussion you are learning much that is a desirable part of liberal education. You are learning to understand and respect differing points of view; you are learning to discover new relationships and to develop your own convictions.

An important part of college, therefore, is the opportunity to share your concerns, to test your thinking in conversations and meetings with your peers, other men and women of your age who are trying to discover themselves just as you are.

Though this kind of informal relationship with other students has deep and permanent effects and cannot by its nature be planned or organized, it is often nurtured by common interests in organized activities. A lecture, for example, by a visiting celebrity from the world of politics or literature may kindle student discussions in the Snack Bar or the residence halls. Such concerts and lectures are weekly occurrences at La Salle.

Athletics too may develop common interests among students, whether they are participants or spectators. The athletic program encourages both intramural and intercollegiate competition. Varsity teams from La Salle have often been leaders in basketball, baseball, swimming, track, cross-country, crew, soccer, golf, and tennis.

La Salle's reputation for excellence in drama rests on the work of The Masque and Theatre La Salle, who collaborate on two productions during the school year, and on the widely-acclaimed Music Theatre productions which regularly draw more than 20,000 people to the campus each summer.

## The Academic Side

"The only privilege a student had that was worth his claiming," wrote Henry Adams, "was that of talking to the professor, and the professor was bound to encourage it." La Salle professors do encourage it, and classes are small enough to permit discussion and personal relationships with your teachers.

The result is an academic environment where learning and intellectual development are nourished. In more concrete terms, the result is the gratifyingly high number of prestige awards won by La Salle graduates.

The presence at La Salle of good teachers, a fine library, and uncrowded classes are all helpful to your academic success, but the actual achievement of your academic goals is ultimately up to you.

The most important adjustment to collegiate life you will have to make is in learning to budget your time wisely. No one will force you to learn; no one can. Instead, you will be treated as a mature, intelligent person. You will be given assigned readings, papers, and projects in research to be turned in by a certain date. You yourself must plan when these assignments will be done; you yourself must bear the responsibility for meeting standards set by your instructors.

The standards for academic achievement are treated in some detail in the reference section of this catalog and need not be discussed here. The important thing for you to realize about the academic side of your college life is that it is the central test of your maturity and sense of responsibility. Learning is sometimes hard work, but it is the most rewarding kind of effort, not only in grades but in the self-satisfaction of having met a difficult challenge successfully.

But the academic side of college is not just a bleak picture of challenges, responsibilities, and standards. The academic side really offers one of the deepest, most lasting joys a man can experience—the joy of understanding.

Suddenly some part of human experience fits into a pattern for you; suddenly you understand why. The best part of the joy of understanding is that it is endless. The deeper your understanding goes, the deeper the satisfaction you experience.

Perhaps you haven't yet discovered this kind of joy; you may even doubt that it exists. Yet when you first experience it, you will begin to understand what education is all about and why many men willingly devote their lives to study and research.

# The Philosophical Side

La Salle College is a group of buildings—brick, marble, limestone—situated on a hill overlooking Wister Woods. But it is also a great deal more. It is the embodiment of two great educational traditions: the American tradition of educating men in the foundations and spirit of democracy and the roots of western civilization, and the La Sallian tradition of dedicated teaching and concern for the individual, dating back to St. John Baptist de La Salle, founder of the Christian Brothers.

In the light of these traditions, La Salle offers students an education founded on the idea that man's intellectual and spiritual development go hand in hand, complementing and fulfilling one another. The basic purpose of the College is a free search for truth and the development of materials and skills necessary for the search; its religious concern is an extension of that purpose. In a company of mature teachers and scholars, the College urges the student to confront the ultimate questions of human experience: who he is; where his destiny lies; how he is to reach it.

La Salle is committed to a liberal education of both general and specialized studies. It wants its students to liberate themselves from narrow interests and prejudices and to learn to observe reality with precision, judge events and opinions critically, think logically, communicate effectively, and sharpen esthetic perception. The curriculum involves a body of knowledge about the universe; about man—his nature, behavior, and values; about God. It also provides an opportunity to gain specialized knowledge in one field of learning as a preparation for graduate study or entry into professional life. Beyond this breadth and depth of knowledge, the College encourages its students to seek wisdom, that is, to grasp those basic principles which can give order to particular facts.

As a private Catholic college, La Salle pursues these aims in a religiously diverse community of teachers and students interested in studying secular subjects in their autonomy, undertaking theological study in a systematic way, and investigating what interrelations these subjects may have. The community also engages in programs in which the students' personal, social, and religious values may take root and in which the students may grow in mature attitudes and behavior in all human relationships. The ultimate hope of the College is that its graduates will be ready for informed service and progressive leadership in their communities and will be able to fulfill the immediate and final goals of their lives.



# General Reference

## Qualifications for Admission

La Salle College does not discriminate against any applicant for admission because of race, color, creed, or national origin. Admission is based solely upon an applicant's qualification and ability to meet the established admission requirements.

If you are well-motivated toward a college career and can show evidence of high academic achievement and ability, there is a good chance that the Admissions Committee will look with favor upon your application. In arriving at its decision, the Committee studies your high school record and the scores of your College Entrance Examination Board tests, together with recommendations from your high school faculty, guidance counselor, and principal. The following are the specific requirements for admission:

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### HIGH SCHOOL UNITS

Your record should show successful completion of at least 16 units of high school work including the following:

English	4 units
Mathematics:	
Algebra & Plane Geometry or	
two years of Algebra	2 units
History	1 unit
Natural Science	1 unit
Foreign Language	2 units
	<hr/>
	10 units

The remaining six units may be distributed as follows:

1. Applicants for the *Liberal Arts* program may present six other units in academic subjects.
2. Applicants for the *Science and Mathematics* program may present six other units in academic subjects but including an additional one and one-half units in mathematics.
3. Applicants for the *School of Business Administration* may present six academic or commercial units, excluding typing.

## LANGUAGE REQUIREMENTS

All applicants should present two units in the same foreign language.

## ADDITIONAL REQUIREMENTS

Applicants to the freshman class are required to take either the American College Testing Program or both the morning and afternoon tests given by the College Entrance Examination Board:

Morning Program—Scholastic Aptitude Test

Afternoon Program—

1. English Composition
2. Mathematics
  - a. Level I (Standard)
  - b. Level II (Intensive)
3. Foreign Language (to be taken by those who wish to continue the study of the language in college)

Results of the morning tests are used to determine your qualifications for admission. The English Achievement Test serves as one of the instruments used in determining who will be required to take the freshman composition course; scores in this test should therefore be submitted by June of the senior year. The remaining required achievement tests are also used for placement in course programs.

Applicants for the fall term should take the morning tests in November, December, or January. The afternoon tests may be taken as late as May of the senior year.

Six weeks before the date of the tests, you should write to:

The Educational Testing Service  
Box 592, Princeton, New Jersey 08540  
or Box 1025, Berkeley, California 94701.

You should request the testing service to forward test scores to the Office of Admissions, La Salle College, Philadelphia, Penna. 19141. The College Board (CEEB) and the College Scholarship Service (CSS) code number assigned to La Salle College is 2363.

Applicants who wish to submit results of the American College Testing Program (ACT) should take the test in October, December, or February of the senior year. Six weeks before the test dates, you should write to:

The American College Testing Program  
Box 451  
Iowa City, Ia. 52240

Arrangements for either the CEEB or ACT tests may also be made through the principal or guidance counselor of your high school.



## APPLYING FOR ADMISSION

You may secure an application form from the Office of Admissions. When you receive this, you will also receive another form which is to be mailed directly to the College by your high school principal. Send your completed application and the \$15.00 application fee to the Office of Admissions; the Director of Admissions will notify you as soon as possible after a decision has been made on your application. If accepted, you are asked to send along a \$100.00 deposit with your confirmation. If you attend, \$75.00 of this will be credited toward your tuition; the remaining \$25.00 is for counseling services provided by the Counseling Center throughout the time you are at La Salle, including the pre-college counseling program which is required of all new students. The confirmation deposit is required of all new students to the Day Division including transfers from other colleges. If you do not attend, the entire deposit is forfeited.

## ACCOMMODATIONS FOR RESIDENTS

La Salle College provides residential living for undergraduate students unable to live at home while they are enrolled in the College. A student may live in any one of nine residence halls on campus, three of which are co-ed in that women occupy the third floor and men the first and second. Of the remaining halls, five are all-male and one all-female. In their senior year, resident students have the choice of remaining in the residence halls or living in the La Salle apartments, a certain number of which are available to married students. After indicating on your application your intention to live on campus, you should reserve your room when you confirm your acceptance with the required residence hall deposit.



Half of this \$50.00 deposit is credited to your damage deposit account; the remaining \$25.00 is credited to your room and board fee. Loss or damage of residence hall equipment as a result of negligence or improper use will be charged against this damage deposit. Should you decide not to occupy the room you have reserved, the entire advance deposit is forfeited.

The residence halls are provided with all necessary furniture; you are expected to supply your own linens and blankets. You must also take care of personal laundry, dry cleaning and pressing. Many of the personal items needed, such as toilet articles, laundry cases, towels, and sportswear may be purchased at the Campus Store.

Occupancy may begin the day before registration and continue until the day after the final examination. All residence halls are closed during Christmas and Easter vacation. Residents are permitted cars on campus.

When you live on campus, your meals are served cafeteria-style in the College Union dining halls. Since meals must be planned on the basis of total participation by the resident community, no adjustment in fees can be expected for meals not taken on campus. You are given the option, however, of purchasing a five or seven day meal ticket. Special diets for medical reasons may be arranged through the Director of Food Services. The dining halls are not open during school recesses at Thanksgiving, Christmas, Easter, or between semesters.

The College has provided facilities for the installation of telephone service in each room and if you desire to avail yourself of this service, arrangements can be made with the telephone company. Public telephones are also located on every floor of the residence halls. Calls for residents should not come through the College switchboard.

Recreation for resident students includes not only the varsity sports of the College, but also intramural sports competition among the residence halls. You may also participate in such regularly scheduled campus events as film programs, dances, concerts, lectures and other social functions.

The members of the resident student governing board, the Residence Council, serve as the liaison between the college administration and the resident student in the formulation of policy regarding residential life. Under the auspices of this council, each hall is self-governing in matters of discipline, in that each hall sustains its own judicial board.

### **EARLY ACCEPTANCE PLAN FOR HIGH SCHOOL JUNIORS**

The Committee on Admissions will consider a qualified applicant for an early acceptance one year before graduation from a secondary school. The following credentials are required for this evaluation:

1. A completed application to La Salle College.
2. A transcript of three year high school scholastic and personality records.
3. The results of the College Board Scholastic Aptitude Test taken during the junior year or the following summer.

The successful early applicant must finish the senior year of high school with creditable grades, receive his diploma, and take the required College Board Achievement tests for placement in his chosen course programs.

### **ADVANCED PLACEMENT PROGRAM**

La Salle College participates in the Advanced Placement Program of the College Entrance Examination Board. Consequently, the College agrees to give credit and/or advanced placement to students who perform satisfactorily both in college-level courses taken in secondary school and in the advanced placement examinations administered by the Board. The equivalents for the grading scale are:

- 5 or 4 = Advanced credit and advanced placement
- 3 = Same, on recommendation of departmental head
- 2 = Advanced placement only on recommendation
- 1 = No advanced placement or advanced credit

### **TRANSFER STUDENTS**

Each year a limited number of transfer students will be admitted. The number is limited by available space and academic restrictions. Candidates for admission from colleges which offer courses of study similar to those of La Salle College should submit a transcript of high school work and college work as soon after applying for admission as is possible. All transfer students are required to submit the results of College Entrance Examination Board tests or of the American College Testing Program. A letter of appraisal from the Dean of Students of the college or university attended is also required.

All of these records should be in the Admissions Office at least 60 days before the beginning of the semester for which the student is applying.

The previous college record of the applicant must indicate good academic standing. No applicant will be accepted whose transcript indicates academic or disciplinary probation or dismissal.

A student applying for transfer from a fully accredited college or university should have a grade point average of 2.25 or higher (on a 4.00 scale). Transfer applicants from colleges which have applied for regional accreditation will be considered if their grade point average is 2.75 or higher (on a 4.00 scale).

No credit is allowed for courses offered with the lowest passing grade given at the institution from which the applicant is transferring. A maximum of 70 credits may be accepted.

A transfer student may be required to make up certain courses which belong to the sequence required in the program of studies for which he is applying. End of course examinations may be required to obtain credit in some areas.

La Salle College participates in the College-Level Examination Program of the College Entrance Examination Board. Qualified transfer students and others with advanced preparation who wish to be considered for advanced

credit through this program should write for information to the College-Level Examination Program, Educational Testing Service, Box 977, Princeton, N. J. 08540.

No student admitted to advanced standing will be permitted to graduate unless he has completed his senior year as a full time student at La Salle College.

### REGISTRATION

Registration takes place during the week before classes begin in September. You will receive notice and complete instructions ahead of time. For students already in attendance, there is a pre-registration period for the following year during the spring semester. When pre-registering, the student should keep in mind the fact that certain courses, especially in English and languages, are offered in alternate years. Information about specific course offerings may be obtained from course advisers or from the dean of your school. Students who register or pre-register late must pay a penalty fee of \$10.00.





## Expenses

	Liberal Arts and Business Administration	Science
Tuition (including all regular College fees)* .....	\$1,600.00	\$1,700.00
Counseling Service Fee (for new students only)† .....	25.00	25.00
Approximate cost of new books and supplies .....	75.00	75.00
Annual total for commuting students .....	<u><b>\$1,700.00</b></u>	<u><b>\$1,800.00</b></u>

### Annual room and board for on-campus residents

(7 day meal tickets)** .....	\$1,050.00
(5 day meal tickets) .....	900.00

\* The tuition charge for part time students or for hours taken in excess of normal schedule is \$50.00 a semester credit hour.

† Deducted from Confirmation of Acceptance Deposit.

\*\* Freshmen pay \$1,080.00 to cover the extra orientation week.

There are no additional fees for matriculation; registration; use of laboratories, library, athletic facilities, or dispensary services; participation in student activities; the student newspaper; or the student identification card for admission to athletic events. However, in the face of rising costs, La Salle College must reserve the right to amend or add to the charges at any time and to make such changes applicable to students presently enrolled as well as to new students. The current inflationary spiral makes probable a tuition

increase of from \$200.00 to \$250.00 and adjustments in room and board fees of from \$50.00 to \$100.00 to take effect in September of 1972.

### **METHOD OF PAYMENT**

One-half of the annual tuition and the room and board costs must be paid on registration day in September and January. The sum may be paid in cash, or, preferably, by check or money order.

If you wish to extend payments throughout the year, you may do so by participating in the College Bank Loan Program offered by La Salle in collaboration with a Philadelphia bank. Further information on the Bank Loan Plan is available from the Business Office of the College.

### **PENALTY FEES**

The penalty fees as outlined below are to defray the expenses involved and to discourage indifference toward regulations.

*Late Registration Fee:* Students are required to complete their course registration within the period set forth in the College Calendar. Late registration is permitted only in the most unusual circumstances and requires the permission of the dean of the school and the payment of a fee of \$10.00. Students who pre-register late are liable to the same penalty.

*Change of Roster Fee:* A change of roster will be permitted only with the permission of the dean of the school and the payment of a fee of \$5.00. The second day of class is the last date for changes.

*Delayed Examination Fee:* Students are expected to take their final examinations during the regular examination period. Final examinations taken beyond the regular examination period require the permission of the dean of the school and the payment of a fee of \$5.00 for each examination.

### **GRADUATION FEE**

A graduation fee of \$40.00 is due and payable on or before the fifteenth of May preceding the candidate's graduation. The College cannot be responsible for the inclusion in the graduation program of any candidate who pays fees after this date. The graduation fee covers the yearbook, the Senior-Faculty Reception, baccalaureate services, the cost of the diploma, the use of cap and gown, and all other expenses incidental to the commencement exercises. No candidate may be recommended for a degree, diploma, or certificate until the graduation fee and all other financial obligations have been paid.

### **REFUND OR REMISSION OF TUITION**

Under certain circumstances, the student who withdraws before the end of a semester may receive a refund or a remission of part of the unpaid balance of his tuition fee. Complete information on terms and conditions may be obtained from the Business Office.

# Scholarships and Financial Assistance

No student is denied admission because of financial need. The financial aid program at La Salle College provides opportunities for scholarships, grants, loans, and student employment. Applicants for financial aid will be considered for any form or combination of forms of assistance.

Since the primary responsibility for college expenses rests with the parents and student, financial assistance is normally granted on the basis of financial need together with demonstrated and potential academic achievement. La Salle College participates in the College Scholarship Service. Candidates seeking financial assistance are required to submit a Parents' Confidential Statement to the Service. Forms are available at the guidance office of the secondary school or from the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540.

## COMPETITIVE SCHOLARSHIPS

Up to thirty tuition scholarships are offered annually to high school seniors who have demonstrated exceptional academic aptitude and achievement. These awards are renewed annually for the remaining three years provided the recipient maintains a 3.0 (B) average. Application forms for these competitive scholarships may be obtained from the Director of the Honors Program. The completed forms must be received by La Salle College no later than February 15th. The applicant must arrange to take the tests of the College Entrance Examination Board in Scholastic Aptitude and the English Composition Achievement Test (not the writing sample) no later than the January testing date. Arrangements for the tests must be made directly with the College Entrance Examination Board, Princeton, New Jersey. Applicants must request the Board to send results to the Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141.

## LA SALLE COLLEGE PRINCIPALS' SCHOLARSHIPS

La Salle College offers fifteen scholarships to students graduating from all Catholic high schools in the Camden and Philadelphia dioceses and from high schools conducted by Christian Brothers of the Baltimore province. Competition is based on academic excellence and extracurricular activities and is restricted to students nominated by their high school principal. Principals' scholarship application forms will be sent directly to nominees designated by the principals.

## NATIONAL MERIT SCHOLARSHIPS

La Salle College sponsors four National Merit Scholarships annually. To be eligible for one of these scholarships, a student must take the regular Na-



tional Merit Scholarship Test and indicate his intention of attending La Salle College. These scholarships are administered by the National Merit Scholarship Corporation; it uses the regular procedures of its national competition and assigns the amount of the award based on need with a maximum of \$1,500.00 each year for four years.

#### **ARMY ROTC SCHOLARSHIPS**

The Department of the Army sponsors one- two- three- and four-year scholarships to incoming freshmen and to upperclassmen in the ROTC program. Each scholarship provides free tuition, textbooks and laboratory fees, and carries a \$50.00 monthly stipend.

Application for four-year scholarships must be submitted by high school seniors before January 15. Requests for applications should be addressed to Commanding General, First United States Army, ATTN: AHAAG-CE, Fort Meade, Maryland 20755. It is advisable to write for and obtain an application as early as October of the senior year.

Recipients of one- two- and three-year ROTC scholarships are chosen on a competitive basis from among students in the La Salle ROTC program who must apply directly to the Professor of Military Science at La Salle.

#### **LAW ENFORCEMENT EDUCATION PROGRAM**

This federal assistance program is designed to help improve the nation's criminal justice system—police, courts, and corrections—by enhancing the quality of criminal justice personnel through opportunities for higher education.

Loans as well as grants are available to students at La Salle College enrolled in a program of study directly related to law enforcement.

For further information and applications, contact the Director of Financial Aid, La Salle College.

#### **SCHOLARSHIPS FROM OTHER SOURCES**

Some scholarships and grants are made available annually by agencies in the Philadelphia and neighboring communities to students entering the College or to upperclassmen already in attendance.



Information about off-campus grants frequently held by La Salle students which involve competition or appointment can be obtained from the following:

1. Pennsylvania State Scholarships, Pennsylvania Higher Education Assistance Agency, Towne House, Harrisburg, Pennsylvania 17102.
2. New Jersey State Scholarship, Department of Education, Box 1293, Trenton, New Jersey 08625.
3. Food Fair Stores Scholarships, The Food Fair Foundation, Food Fair Building, 3175 John F. Kennedy Blvd., Philadelphia, Pennsylvania 19104.
4. The Martin de Porres Scholarship, M. H. McCloskey, III, Martin de Porres Foundation, 2050 Suburban Station Building, Philadelphia, Pennsylvania 19103.
5. The City Scholarship Committee, Commission on Higher Education, 516 City Hall Annex, Philadelphia, Pennsylvania 19107.
6. The Hero's Scholarship, City of Philadelphia, Room 490, City Hall, Philadelphia, Pennsylvania 19107.
7. Bulletin Scholarship Foundation, Bulletin Building, Philadelphia, Pennsylvania 19101.
8. J. Wood Platt Caddie Scholarship, c/o Cecil J. Barnett, Esq., 29 Bala Avenue, Bala-Cynwyd, Pennsylvania 19004.

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## **LOANS AND EMPLOYMENT OPPORTUNITIES**

La Salle College participates in the loan program as established by the National Defense Education Act. Students who demonstrate financial need are eligible for consideration for long term loans under the provisions of the act. All loans are offered to meet educational expenses only and are granted on the same basis as all other financial aid.

In addition, the Guaranteed Loan Program, which is similar to the National Defense Student Loan Program, was authorized by the Higher Education Act of 1965. Under this program, the student borrows directly from a bank or other financial institution, instead of through the College. Students desiring further information on this program should direct their inquiry to the Director of Financial Aid.

La Salle College also participates in the Federal College Work-Study Program. A number of on-campus jobs are available on a part time basis. Applications may be obtained from the Financial Aid Office. Care is taken to insure that this activity does not interfere with the student's academic and extracurricular life.

## **EDUCATIONAL OPPORTUNITY GRANTS**

The Educational Opportunity Grant program was established by the Higher Education Act of 1965. Its purpose is to provide grants to students of exceptional financial need who, for the lack of financial means of their own or of

their families, would be unable to enter or remain in college without such assistance.

Applications are available from the Office of Financial Aid, La Salle College.

### **PROCEDURES FOR APPLYING FOR FINANCIAL ASSISTANCE**

A candidate who desires financial assistance must submit the Parents' Confidential Statement to the College Scholarship Service or the Family Financial Statement to the American College Testing Program.

Either statement should be filed no later than January 15. Applications received after that date will be considered only if there are funds available.

Financial aid awards will be announced at the time of the offer of admission or as soon thereafter as possible.

Most types of financial aid require annual re-application. All applications for renewal must be filed with the Financial Aid Office prior to April 15 of each succeeding year.

La Salle College's financial aid program is organized to help the able student who needs financial assistance. As long as the student continues to demonstrate academic progress as well as financial need, the College will make every effort to assist him.



# Academic Programs and Procedures

## GENERAL EDUCATION AND DISTRIBUTION REQUIREMENTS

Beginning with the freshman class entering in 1972, a new curriculum will be in effect. This revised program will offer a student greater freedom of choice while at the same time maintaining an experience in liberal education suitable to the philosophy and objectives of La Salle College.

The General Education requirement includes a course in composition (if the student needs it), two courses in literature, two in philosophy, and two in theology. The Departments of English, Foreign Languages, Philosophy, and Theology will provide a number of choices which will fulfill this requirement.

A Distribution requirement permits a student to select two courses from four of five study areas, exclusive of courses in his major. The study areas from which the student may choose are presented in detail in this catalog under the respective Schools. (Pages 35 and 89.)

## CLASSIFICATION OF STUDENTS

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A full time student carries a *minimum* of twelve semester hours, although normal progress toward a degree requires an average of fifteen hours a week. A student's program will require more hours per week in some areas of instruction, as indicated later in this catalog.

Explained in simplest form, a semester credit hour is equal to one lecture hour or two laboratory hours a week. If a course meets for three lectures weekly for a semester, it is said to be a three credit course. Fifteen weeks make one semester.

Part time students carry a roster of less than twelve hours per week. Students in this category will require more than the normal four years in which to earn a degree.

Students who do not fulfill certain admission requirements may be admitted to follow particular courses and are considered as special students. They do not register for a degree granting program. Credits earned by a special student may be counted towards a degree as soon as he has met all the requirements for admission and candidacy for a degree provided that the credits thus earned be applicable to his program of studies for the degree. A special student cannot hold a scholarship nor take part in extracurricular activities.

## PROGRAM OF STUDIES

The program of studies prescribed by the student's adviser and approved by the dean of the school in which the student is enrolled is his official roster of courses.

It is the student's responsibility to see that all the requirements of his program are fulfilled. He should have in writing from the dean any exceptions to the prescribed program which may be granted him.

A student may be permitted to change from one program to another, or from one area of instruction to another, only when his previous record indicates that he may profit by such a change. In any change of this type the student must have the written permission of his chairman and the dean of his school. This change may entail taking approved summer courses or an additional semester in college. In no case may a student who transfers receive promotion or a degree sooner than he would have received it had he not transferred. No degree may be received less than one year after change of curriculum.

### **INTERDISCIPLINARY PROGRAMS**

Each year a small cross-sampling of lower division students is chosen from applicants for the experimental freshman and sophomore interdisciplinary programs. Problem centered and community oriented, these programs stress student direction and participation.

In the freshman program the student takes nine hours of core courses in interdisciplinary work; at present the sophomore program involves only six hours. Grading for both programs is on a pass/fail basis, and no prerequisites are required for either program. Science majors and students enrolled in the honors program are ineligible.

### **DOUBLE MAJORS**

In some circumstances, a student with special needs and abilities may be permitted to major in two departments or to follow a special interdepartmental program. After developing the program in consultation with both departments, the student must obtain approvals of both chairmen and of the dean. Arrangements should normally be completed during the spring semester of the sophomore year.

### **HONORS PROGRAM**

The honors program is designed to provide the most academically talented students with an enriched program of general studies that will be both challenging and stimulating. The freshman honors student, as an apprentice in the program, studies in honors sections of two or three required courses. If he proves himself able and interested, he continues with honors courses in such areas as theology, philosophy, and English, which offer more depth and more advanced reading. In the upper division, such courses will frequently be given by distinguished visiting professors.

In his last two years, the honors student may, with the approval of his chairman, substitute an independent study course in each semester for any regularly scheduled course except theology or seminar. Class meetings in these courses are less frequent, and emphasis is on individual reading and

research. During the course of the regular academic year, visiting lecturers and authorities in various fields are invited to the Honors Center for small and informal discussions with interested honors students.

#### **COURSES AT CHESTNUT HILL COLLEGE**

The cooperation of La Salle with Chestnut Hill College, a Catholic college for women situated about five miles from La Salle, results in a valuable co-ordination of programs. Students from either of the associated colleges can register for courses at the other college, with full credits, and without the payment of extra tuition. The calendar for the academic year in both colleges is identical. Students wishing to register for courses offered at Chestnut Hill will follow the same procedure as when they register for courses at La Salle. Classes at Chestnut Hill begin on the hour, at La Salle on the half-hour.

The cooperation of the two colleges will be more extensive in coming years, though the separate identities and characteristics of the two associated colleges will continue to exist.



## **NURSES' COOPERATIVE PROGRAM**

La Salle participates in a cooperative program with a number of area hospitals in teaching the basic sciences to the students from these hospital schools. The essential program remains under the control of the parent schools. These students receive college credit for those courses attended at La Salle.

## **URBAN STUDIES AND COMMUNITY SERVICES CENTER**

The Urban Studies Center seeks to involve the human, academic, and material resources of the College in the larger urban community in which it is located. Such involvement in the community's growth and development enables the College to draw upon the practical experience with urban problems possessed by many in the local community, thereby broadening the base of the education offered its students. The relationship further aids the College in developing an urban studies curriculum relevant to the community perspective and initiative. The Center is located on the corner of Wister and Clarkson streets.

## **COMMUNITY ACADEMIC OPPORTUNITY PROGRAM**

The CAOP Program provides an opportunity for a college education to selected disadvantaged students who are residents of Northwest Philadelphia. Students are chosen for this five-year program on the basis of geographic, economic, academic, and motivational criteria. Interested applicants should follow the normal procedure in applying for admission, indicating their interest in the CAOP Program on their application.

## **LA SALLE IN EUROPE**

Students who would like to broaden their educational background by studying in Europe may take advantage of the La Salle in Europe program. This program offers the opportunity of completing the junior year at the University of Fribourg in Switzerland while receiving full credit at La Salle for course work there. The cost of this program is approximately equal to the regular combined tuition and residence expense at La Salle. Detailed information is available from the Director, La Salle in Europe.

## **SUMMER SESSIONS**

A variety of courses are offered in both day and evening sessions during the summer. A student may use these courses to enrich his academic program, to lighten his regular schedule, to make up failures, or, in some instances, to accelerate his progress toward a degree. The Summer Sessions are administered by the Dean of the Evening Division.

Properly qualified applicants from other accredited institutions are also admitted to the Summer Sessions.

## THE RESERVE OFFICERS' TRAINING CORPS PROGRAM

The primary purpose of the ROTC program is to produce commissioned officers of Artillery in the Reserve or Regular Army.

ROTC instruction is divided into two phases: the basic course and the advanced course. The basic course consists of two academic years of instruction. All freshman students who wish to participate in this elective program must meet the following requirements for enrollment. They must be:

1. Citizens of the United States.
2. Physically qualified under standards prescribed by the Department of the Army.
3. Accepted by La Salle College as regularly enrolled students.
4. Not less than 14 years of age and under 23 years at the time of enrollment.
5. Pass such general survey or screening tests as may apply.

Those students who have successfully completed the basic course and who are selected by the President of the College and the Professor of Military Science may be enrolled in the advanced course. Eligible students enrolled in the basic or advanced courses may be deferred from induction into the Armed Forces. Transfer students who have not otherwise completed the basic course may enroll in the advanced course after completing a basic summer camp between sophomore and junior school years. However, these students would not be eligible for the two year ROTC scholarship, which is available on a competitive basis to a selected few of the sophomores in the basic course.

The advanced course consists of two academic years of instruction and six weeks of training in a summer camp between the junior and senior years. An average of two hours per week are devoted to military subjects during the first year of the basic course, three hours per week for the second year of the basic course, and four hours per week during the advanced course.

Students do not receive any pay while pursuing the basic course. While enrolled in the advanced course, students receive \$50.00 per month, and, while at the advanced course summer camp, receive \$225.30 per month, plus food, lodging, uniforms, equipment, medical care, and travel pay to and from the camp.

Uniforms, textbooks, and equipment are issued to the students at the beginning of each school year and must be turned in by the students at the end of the school year. Textbooks are issued for military subjects only. Uniforms must be worn on scheduled drill days.

Upon satisfactory completion of the ROTC course, students will be eligible for a commission in the U.S. Army Reserve. A few outstanding students will be eligible for a commission in the Regular Army.

Scholarships are available to outstanding students. See page 21 for details.

Prospective students who desire information concerning the Reserve Officers' Training Program should communicate with the Professor of Military Science, La Salle College, Philadelphia, Pennsylvania, 19141.



### **ATTENDANCE POLICY**

Students are expected to attend classes regularly. Absences are permitted to provide for conditions beyond the control of the student. Ordinarily, these would be equal to twice the semester hours scheduled for the course; for example, six absences in a three hour course. Attendance is noted from the first regular class meeting regardless of the time of registration.

### **EXAMINATIONS**

The last week of each semester is set apart for final examinations. Examinations to measure student progress are given at mid-term. Students who, for satisfactory reasons, fail to take a semester examination at the scheduled time may take a delayed examination. A delayed examination permit must be secured in the dean's office.

### **MAKE-UP EXAMINATIONS**

Make-up examinations are given when an I grade has been received. The I grade is a provisional semestral grade given by an instructor to a student who has otherwise maintained throughout the semester a passing grade in course, but who has failed to take the semester examination in the course for reasons beyond his control. Make-up examinations for the fall semester must



be completed before the opening day of the spring semester. All I grades that have not been removed within three weeks after the last regular examination of the semester become F's. In cases where it is physically impossible for this grade to be removed within this time limit, the time may be extended only by the written permission of the dean of the school.

## **GRADES**

The following system of grades is used in measuring the quality of student achievement in courses:

A	Superior	(93-100)	I	Incomplete
B	Very Good	(84-92)	W	Withdrawal
C	Average	(77-83)	S	Satisfactory
D	Passable	(70-76)	U	Unsatisfactory
F	Failure	(below 70)		

In the determination of final grades for courses, recitations, written assignments, and the results of the final examination are considered.

The I grade is counted as an F in computing averages for the first probation list, and it becomes a failure if it is not removed within the three weeks following the term in which it was given, unless for serious reason the dean has permitted a longer delay in final examination.

The withdrawal grade W is assigned when a student withdraws from a course with the dean's permission before its completion. Ordinarily permission for withdrawal is not granted after the period of the mid-term examinations.

Students may take free electives under a pass/fail option. If they indicate this option to the Registrar within two weeks after the course begins, the grade for the course will be recorded as S (satisfactory) or U (unsatisfactory). Such a grade will not affect the cumulative index, but semester hours graded S will be counted toward the total required for graduation. The purpose of the option is to encourage choice of challenging electives, including those outside of the student's major field.

## **STUDENT REPORTS**

A progress report is submitted to the dean's office by each instructor at the middle of each term. Final grades are submitted at the end of a semester and these are made part of a student's permanent record. A report of semester grades is mailed to the student within two weeks after final examinations.

At the end of each year a report is sent to the high school from which the student was graduated.

## **SCHOLARSHIP INDEX**

A scholarship index system is used at La Salle to determine a student's average grade. In determining the index, each letter grade is ascribed a numerical

value, called grade points. A is valued at 4 grade points; B is valued at 3 grade points; C is valued at 2 grade points; D is valued at 1 grade point; F is valued at zero grade points.

A grade point score is calculated for each course by multiplying the numerical equivalent of the letter grade by the number of semester hours. The index, or the average grade of all courses, is found by dividing the sum of the grade point scores for all courses by the total number of semester hours of course work attempted.

## **ACADEMIC STANDING**

First year students are required to earn a minimum average of 1.50 to be in good academic standing; second year students, 1.75; third year students, 1.90. Averages are computed at the completion of each semester.

## **DEANS' HONOR LIST**

The Deans' Honor List is published at the termination of each semester.

Those students who have a cumulative average of 3.4 are placed on the Deans' List. To be eligible for this list, a student must have complied with all the regulations of the College and must be free of all academic censure. Freshmen are not eligible for inclusion on this list.

While students on the Deans' List are excused from class attendance regulations, they are expected to fulfill the requirements of every course rostered. They are also eligible for courses in the College's honors program.

## **ACADEMIC CENSURE**

Academic censure may assume any one of three forms, depending on the student's academic standing. An evaluation of student records is made at the end of each semester.

(a) *Probation.* A student is placed on probation when he has attained a cumulative grade point average of (a) less than 1.50 after the first or second term of his freshman year, (b) less than 1.75 after the first or second term of his sophomore year, (c) less than 1.90 after the first or second term of his junior year. Such a student will be continued on probation until he has satisfied the conditions for good academic standing.

(b) *Suspension.* This is involuntary separation of the student from the College for a definite period of time, usually for two semesters. No academic work during a period of suspension will be accepted for a student's academic record at the College.

(c) *Dismissal.* This is involuntary separation of the student from the College for an indefinite period of time. No academic work during a period of dismissal will be accepted for a student's academic record at the College.

A student is liable to suspension or dismissal: (1) when he has attained a cumulative scholarship index of (a) less than 1.00 during his freshman year, (b) less than 1.50 during his sophomore year, (c) less than 1.75 during his junior year; (2) when he withdraws without notice to the Dean's Office.

## **CREDIT FOR OFF-CAMPUS COURSES**

Course work taken at other institutions by regularly enrolled students at La Salle College may not be offered for credit unless the student has had written permission in advance from the dean of his school to take such courses. Credit is transferred only for marks of C or better. The grade obtained at another institution does not affect the student's index at La Salle College.

## **REQUIREMENTS FOR A DEGREE**

The candidate for a degree must have completed course work equivalent to a minimum of 120 semester hours. Certain curricula may require a number of hours exceeding this minimum.

He must have obtained a C average or cumulative index of 2.00 in his prescribed program of studies.

He must have fulfilled all course requirements prescribed for him by the chairman of the department in which he majored and approved by the dean of the school in which he is enrolled.

He must have fulfilled the general education and distribution requirements.

He must have completed eight semesters as a full time student, including the two semesters of his senior year.

## **HONORS**

The bachelor's degree with honors is conferred on a student who has completed his course at the College with an average of all marks not lower than 3.4 and who has not incurred the penalty of loss of good standing for disciplinary reasons.

The candidate for the bachelor's degree who has earned an average of 3.8 in all courses is graduated with the distinction *Maxima Cum Laude*.

The candidate who has earned an average of 3.6 is graduated with the distinction *Magna Cum Laude*.

The candidate who has earned an average of 3.4 is graduated with the distinction *Cum Laude*.

Honors are computed on the basis of the work done for eight semesters.

## **WITHDRAWALS**

A student who withdraws from the College must submit a withdrawal notice to the dean of his school. The date of filing the withdrawal notice is considered as the date of withdrawal in all cases.

## **TRANSCRIPTS**

Students may apply at the Registrar's Office for a transcript of their collegiate work. There is a fee of \$2.00 for every copy of a transcript requested after the first. The College requires at least one week's notice for the issuance of a transcript.



# School of Arts and Sciences

## DEGREE PROGRAMS

The School of Arts and Sciences offers general or liberal arts programs and programs in science and mathematics. Within these two areas you may further specialize in a major field of study. In the liberal arts, the Bachelor of Arts degree is offered in classical languages, economics, English, history, modern languages, philosophy, political science, sociology, and theology. Concentration in the science area may lead to a B.A. degree in biology, chemistry, earth science, mathematics, physics, or psychology.

The School also offers programs designed as preparation for law, medicine, dentistry, teaching, social work, and work in criminal justice.

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### Preparation for Medicine

Most students preparing for medical school major in either biology or chemistry. However, a prospective medical student may major in any program that allows completion of the following basic science courses which most members of the Association of American Medical Colleges require:

Chemistry .....	12-16 sem. hrs.
Physics .....	8
Biology .....	8
Mathematics .....	0- 6

In addition to these courses, some medical schools specify or recommend certain others. It is advisable, therefore, that the premedical student familiarize himself with the exact requirements of the school to which he will apply.

Only those students who do better than average work in their courses will qualify for a favorable recommendation from the faculty.

### Preparation for Dentistry

The basic requirements for admission to most dental schools are the same as those for admission to medical schools. The special courses, however, vary with each school. It is recommended, therefore, that the prospective dental student acquaint himself with the requirements of the school which he plans to enter.

## **Preparation for Teaching**

The teacher preparation program leads to eligibility for an Instructional I certificate to teach in the secondary schools of Pennsylvania and provides a foundation for those desiring to go on to further studies in the field. The Pennsylvania Department of Education has granted program approval in the preparation of teachers of biology, chemistry, English, French, German, history, history and government, Latin, mathematics, physics, and Spanish. Certification in "history" and "history and government" will be replaced by certification in "comprehensive social studies" beginning with the class of 1973. Students who satisfactorily complete the College's requirements in these areas are automatically issued teachers' certificates. Those planning to teach outside of Pennsylvania should familiarize themselves with certification requirements elsewhere.

A career in teaching should be considered only by those students who possess above-average scholastic ability, physical fitness, emotional maturity, a balanced personality, interest in young people, and a desire to teach.

The Education Departmental Board, consisting of faculty members from the education department, one faculty representative for each of the subject areas of teacher preparation, and eight student representatives in the teacher preparation program makes final intradepartmental decisions on planning, conducting, and evaluating the teacher preparation program. A Teacher Placement Office on campus aids graduates in obtaining teaching positions.

For specific information on the teacher preparation program, see page 47.

## **Preparation for Law**

Law schools do not prescribe particular curricula for admission. La Salle College, therefore, approaches the preparation for law on an individual basis, tailoring the program of each student to individual needs and desires. Thus, students may major in English, political science, history, etc., as preparation for law. For those students who wish to pursue a program which does offer a curriculum directed toward particular courses recommended by law schools, however, the College offers a pre-law program. This program assures a broad liberal arts background and meets the requirement for admission and the preferences of all accredited law schools.

Any student considering law as a career, regardless of his major curriculum interest, is encouraged to seek early counseling with the Director of the Pre-Law Program, Mr. Edward Domineske.

## **CURRICULUM**

As a result of three years of study by faculty, students, and administrators, La Salle College has adopted a revised curriculum effective in September, 1972. Responding to the Carnegie Commission on Higher Education's recommendation that the first year in college "be made more challenging and useful," La Salle has made a number of changes not only in the freshman

courses but also in the general education courses required of all students. These changes attempt to preserve the elements of a common intellectual experience appropriate to a liberal arts college while at the same time providing students with more opportunities for choice.

The curriculum for Arts and Sciences students is structured in four parts:

1. General Education—7 courses (21 credits)
2. Distribution Requirement—8 courses (24 credits)
3. Departmental Requirements for Majors—not more than 15 courses  
(45 credits)
4. Free Electives—10 courses (30 credits)

The general education courses, which will normally be completed by the end of sophomore year, concern themselves with the basic skill of written communication and with such value-oriented subjects as literature, theology, and philosophy. Each department offers several electives which can be chosen to fulfill the general education requirement.

The range of choice is further widened by the distribution requirement, which is to be fulfilled by the end of junior year. Courses offered under this requirement help provide some depth outside your major field and also offer a measure of flexibility so that you can shape your program in accord with your interests.

The number of courses each department requires of its majors will not exceed 15, leaving 10 courses to be used as free electives.

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Typically, your roster as a first year student might include:

Composition or literature; theology or philosophy; two courses from the Distribution Requirement; a major course or a free elective. (The composition-literature and theology-philosophy courses may be scheduled in either the fall or spring semesters.)



### **General Education Requirements** (To be completed by end of sophomore year)

English Composition	1 semester	(May be waived if writing competence is established.)
Literature	2 semesters	(English or foreign, in original or translations.)
Philosophy	2 semesters	
Theology	2 semesters	

### **Distribution Requirements** (To be completed by end of junior year)

Two courses in four of the areas below, exclusive of courses in your major

Area I	Area II <sup>1</sup>	Area III	Area IV	Area V
English	Foreign Languages	Fine Arts	Economics	Biology
History	Mathematics	(Music or Art)	Pol. Science	Chemistry
		Philosophy	Sociology	Earth Science
		Theology	Psychology	Physics

<sup>1</sup> If you select area II, you must take a two-course sequence if you choose mathematics or a foreign language under the 300 level.

### **Major Requirements**

Each department chairman will inform the majors in his department of the courses required by the department, including any controlled electives the department may wish to specify. (Maximum: 15 courses)

### **Free Electives**

You may use your 10 free electives in whatever way you choose, either grouping them to build a strong minor or using them to diversify your background or broaden your interests.

## **FOREIGN LANGUAGE PLACEMENT**

Students who perform well in their high school language courses and earn an above-average mark in their College Board Achievement Test are normally placed in Language 202-204 in their first year. They may thereafter take an elective or another language course in their sophomore year. Students who give evidence of a very strong language background may be placed in more advanced courses. Native speakers may not take the elementary and intermediate language courses for credit.

Students who plan to enter graduate school are urged to acquire a good background in languages, since many graduate schools require a knowledge of several languages before granting higher degrees.



# Course Descriptions

## ART

(See Fine Arts, page 53)

## BIOLOGY

JOHN S. PENNY, Ph.D., *Chairman*

*Professors: Holroyd, Penny*

*Associate Professors: Bogacz, Lowery*

*Assistant Professors: Belzer, Hawley, Ksiazek, Muldoon*

### **Biology 110-111.**

#### **ANATOMY AND PHYSIOLOGY**

3-6 credits

A basic course in the structure and functioning of the human body with emphasis placed on the interrelationships of the major organ systems. May be taken by non-science majors to fulfill their science requirement.

### **Biology 117-118.**

#### **GENERAL BIOLOGY**

3-6 credits

A terminal course for those who can take only one year of biology. Structure and metabolism of seed plants and vertebrate animals; brief survey of the plant and animal kingdoms. Consideration of evolution, ecology, and genetics for both plants and animals. Two hours lecture, two hours laboratory; two terms.

### **Biology 201.**

#### **THE LIVING ORGANISM**

4 credits

Integrated principles of modern biology; the attributes of life and hypotheses of its genesis; the continuity of life and its diversification; energy sources and the biological energy cycles; cells, organisms and their structure and communities. *Required of all biology majors; may be waived for advanced standing.* Prerequisite: General Chemistry. Three hours lecture, two hours laboratory.

### **Biology 202.**

#### **THE INVERTEBRATES**

4 credits

Life processes, phylogenetic advances, and basic classification of the major pre-Chordate phyla with emphasis on their evolution and ecology. Three hours lecture, two hours laboratory.

### **Biology 207.**

#### **CLINICAL MICROBIOLOGY**

3 credits

The physical and chemical techniques available for the destruction of microbes; the prevention of microbial contamination; role of specific pathogens in the etiology of human disease processes; chemotherapeutic and antibiotic preparations available to assist the body mechanisms. Recommended for nurses. Offered both semesters.

### **Biology 302.**

#### **THE PLANT KINGDOM**

4 credits

Functional anatomy, phylogeny, and basic systematics of non-vascular and vascular plants. Three hours lecture, two hours laboratory.

**Biology 303.****THE VERTEBRATES****4 credits**

Comparative systemic anatomy of the vertebrate classes; hypotheses of origin and radiation of the phylum Chordata. Laboratory dissections of representative Chordates from amphioxus to mammal. Two hours lecture, four hours laboratory.

**Biology 405.****HISTOLOGY****4 credits**

The minute and ultra structure of mammalian primary tissues together with their functional relationships in the formation of major organ systems; histological basis of function is stressed. Two hours lecture, four hours laboratory.

**Biology 406.****EMBRYOLOGY****3 credits**

Fundamental processes underlying vertebrate development and differentiation; the frog, chick, and pig form the basis of instruction. Two hours lecture, two hours laboratory.

**Biology 407.****MICROBIOLOGY****3 credits**

A lecture-laboratory course concerned with the role of microorganisms in nature and especially in human affairs. One hour lecture, four hours of laboratory; one term.

**Biology 408.****THE CELL****3 credits**

Physical properties, chemical structure, and metabolism of simple and specialized cells; recent advances in the techniques of cell culture and investigation. Prerequisite: Organic Chemistry. One hour lecture, four hours laboratory.

**Biology 409.****PRINCIPLES OF ECOLOGY****3 credits**

Basic concepts of ecological theory; physical and biotic factors affecting the evolution, behavior, and community organization of organisms. Three hours lecture with field observations.

**Biology 410.****FIELD ECOLOGY****3 credits**

Project laboratory at the La Salle Penllyn Biostation; supervised student research projects in terrestrial and aquatic ecology. Recommended prerequisite: Biology 409. Six hours laboratory and field work.

**Biology 411.****MICROTECHNIQUE****2 credits**

Histochemical and cytological techniques associated with the preparation of animal and plant materials for microscopic study. One hour lecture, two hours laboratory.

**Biology 412.****GENETICS****2 credits**

Mendel's laws of heredity as observed in plants and animals; the scope and method of modern genetics.

**Biology 413.****GENETICS LABORATORY****1 credit**

Prerequisite: Biology 412, which may be taken concurrently. Two hours laboratory.

**Biology 414.****TAXONOMY OF THE ANGIOSPERMS**

2 credits

A study of the classification of flowering plants. Practice in the use of keys of identification; phylogeny and economic importance of the leading families of flowering plants. One hour lecture, two hours laboratory.

**Biology 415.****HORTICULTURAL AND FOREST BOTANY**

2 credits

Relation of man to cultivated plants; soil, plant propagation, the elements of landscape horticulture together with the basic problems of forestry are included; visits to greenhouses and botanic gardens; lectures and practical work.

**Biology 418.****GENERAL PHYSIOLOGY**

3 credits

Metabolic processes and associated physico-chemical phenomena of living organisms. Current hypotheses of muscle, endocrine, neural, respiratory, cardiovascular, and nutritional physiology. Prerequisite: Organic Chemistry. One hour lecture, four hours laboratory.

**Biology 419.****NEUROMUSCULAR PHYSIOLOGY**

3 credits

A physiological study of cardiac, skeletal, and smooth muscle and their relationship to the central and autonomic nervous systems. One hour lecture, four hours laboratory.

**Biology 422-423.****BIOLOGICAL RESEARCH**

2-4 credits

Laboratory or theoretical research under staff supervision; permission of chairman required. Hours to be arranged.

**Biology 425.****RADIOBIOLOGY**

3 credits

Nuclear technology as applied to life sciences; theory, instrumentation, and use of radioactive isotopes in animals and plants. One hour lecture, four hours laboratory.

**Biology 427.****SEMINAR**

2 credits

Presentation of review papers and discussions of assigned topics from main currents of biological research; participants to be recommended by department staff.

**CHEMISTRY\***

MAX BARTH, Ph.D., *Chairman*

*Professors:* Barth, Paul, Wilson

*Associate Professors:* Demitras, Tekel

*Lecturers:* Malone, Polek

**Chemistry 101-102.****GENERAL CHEMISTRY**

4-8 credits

A terminal course. Designed specifically for students who wish to obtain a general knowledge of chemistry in one survey course. Descriptive chemistry and the quantitative aspects of chemical principles are discussed. Three hours lecture, three hours laboratory; two terms.

\* The chemistry program meets the standards of the American Chemical Society. ACS certification will be awarded only to those chemistry majors who maintain the required grades.

**Chemistry 111-112.****GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS****4-8 credits**

Fundamental concepts, laws, and theories of chemistry; emphasis on the principles of ionization, chemical equilibria, solubility product, hydrolysis and complex ions. Laboratory experiments stress the quantitative aspects; experiments of the latter half of the second semester are devoted entirely to qualitative analysis. Three hours lecture, three hours laboratory; two terms.

**Chemistry 302.****QUANTITATIVE ANALYSIS****4 credits**

Neutralization, oxidation-reduction, chemical equilibria, colorimetry and the methods of quantitative chemical analysis. Thorough training in volumetric, gravimetric, and colorimetric techniques. Two hours lecture, six hours laboratory.

**Chemistry 311-312.****ORGANIC CHEMISTRY****4-8 credits**

Emphasis is placed on the modern approach to structure and reaction mechanisms; intended for chemistry majors. Prerequisite: Chemistry 111-112. Three hours lecture, three hours laboratory; two terms.

**Chemistry 401.****ADVANCED INORGANIC CHEMISTRY****3 credits**

The vector model of the atom, theoretical aspects of chemical bonding, descriptive chemistry trends relative to the periodic table, molecular structure and symmetry of molecules, and general discussion of the transition metals and their complex ions. Prerequisites: Chemistry 311-312, 405-406.

**Chemistry 402.****QUANTUM CHEMISTRY****2 credits**

Quantum mechanics applied to the solution of some elementary systems. Discussion of chemical bonding. Introduction to elementary statistical mechanics using results derived from quantum mechanics.

**Chemistry 405-406.****PHYSICAL CHEMISTRY****4-8 credits**

Elementary principles of physical chemistry discussed and illustrated by suitable laboratory experiments. The ideal gas, real gases, liquids, solids, elementary thermodynamics, thermochemistry, solutions, equilibria, kinetics, electromotive force, electrical conductivity, and chemical thermodynamics. Prerequisites: Chemistry 311-312; Mathematics 216-217. Three hours lecture, three hours laboratory; two terms.

**Chemistry 407.****QUALITATIVE ORGANIC ANALYSIS****4 credits**

A study of the classifying reactions of organic compounds as exemplified by the analysis of compounds and mixtures in the laboratory. *Restricted to chemistry majors.* Prerequisites: Chemistry 311-312. Eight hours of laboratory per week and individual conferences.

**Chemistry 408.****ADVANCED QUANTITATIVE ANALYSIS****4 credits**

Theory and practice of physical measuring instruments with particular attention to the use of the instruments. Modern trends in analytical chemistry. Two hours lecture, six hours laboratory.

**Chemistry 410 and/or 411.****CHEMICAL RESEARCH****4-8 credits**

Individual laboratory or theoretical work under supervision of a staff member. Restricted to chemistry majors. Hours to be arranged.

**Chemistry 430.****ADVANCED ORGANIC TOPICS****3 credits**

Designed to extend the knowledge of organic chemistry; emphasis on those topics not fully developed in the elementary course. An introduction to the literature of chemistry is also included. Prerequisite: Chemistry 311-312. Three hours of lecture.

**Chemistry 431.****BIOCHEMISTRY****4 credits**

The chemistry of carbohydrates, fats, proteins, vitamins, enzymes, and hormones; emphasis on their roles in biochemical processes. Laboratory work illustrates common techniques used to prepare, identify, and assay biochemical materials. Prerequisite: Chemistry 311-312. Three hours lecture, three hours laboratory.

**Chemistry 433-434.****ANALYTICAL PHYSICAL AND BIOLOGICAL CHEMISTRY****4-8 credits**

The techniques of analytical chemistry, including instrumental analysis, and the theories of physical chemistry applied to biochemical reactions. *Intended for biology majors.* Prerequisites: Chemistry 312, Mathematics 106, Physics 212. Three hours lecture, three hours laboratory.

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**EARTH SCIENCE****RODDY V. AMENTA, Ph.D., *Chairman****Associate Professor: Sullivan**Assistant Professor: Amenta**Lecturer: Watson***Earth Science 101.****PHYSICAL GEOLOGY****3 credits**

Principles of physical geology, including classification of rocks, weathering, earthquakes, volcanoes, glaciation, marine erosion, and mountain building. Two hours lecture, two hours laboratory and field trips.

**Earth Science 102.****HISTORICAL GEOLOGY****3 credits**

The geological history of the world, with special reference to eastern North America. The evolution of life through the ages. Two hours lecture, two hours laboratory and field trips.

**Earth Science 103-104.****DESCRIPTIVE ASTRONOMY****3-6 credits**

The celestial sphere and its coordinates; the telescope and other astronomical instruments, time and the calendar; the solar system; the stars—their distances, motion, spectra, luminosity, and development; binary and multiple star systems, nebula; and the external galaxies.

**Earth Science 201.****PHYSICAL GEOGRAPHY****3 credits**

A study of the genesis, formation, and characteristics of land forms. Laboratory exercises include an interpretation of land forms for topographic maps and aerial photographs. Two hours lecture, two hours laboratory.

**Earth Science 202.****METEOROLOGY****3 credits**

A treatment of the composition and properties of the atmosphere, observation of essential weather elements as well as the effects of weather and climate upon man and his activities. Two hours lecture, two hours laboratory. Prerequisites: Mathematics 103, 106.

**Earth Science 206.****OPTICAL MINERALOGY****4 credits**

Elements of crystallography; the determination of minerals by means of the polarizing microscope. Two hours lecture, four hours laboratory.

**Earth Science 302.****PALEONTOLOGY****3 credits**

A review of the invertebrate and vertebrate fossil record. Correlation of biological development with the stratigraphic record. Includes recent advances in paleoecology and geomorphology. Prerequisite: Biology 117-118 or Biology 201. Two hours lecture, two hours laboratory.

**Earth Science 303.****SEDIMENTATION AND SEDIMENTARY PETROGRAPHY****3 credits**

Analysis and interpretation of sedimentary processes; classification and analysis of the common sedimentary rocks. Two hours lecture, two hours laboratory.

**Earth Science 304.****STRATIGRAPHY****3 credits**

An introduction to physical stratigraphy, methods of correlation of rock and time rock units; the interpretation of paleogeography. Two hours lecture, two hours laboratory.

**Earth Science 401.****STRUCTURAL GEOLOGY****3 credits**

The study of the geometry of geologic structures, their recognition and possible modes of origin. Laboratory will be concerned with analysis of geologic maps, fold and fault styles, and lineation patterns using three-dimensional techniques. Field trips. Two hours lecture, two hours laboratory.

**Earth Science 402.****MINERALOGY AND PETROGRAPHY****3 credits**

Descriptive and determinative mineralogy; identification and study of the more common rock types. Two hours lecture, two hours laboratory.

**Earth Science 405.****SEMINAR IN ADVANCED PHYSICAL GEOLOGY****3 credits**

Selected topics and problems from physical geology considered in depth; topics vary from year to year. Prerequisite: permission of chairman. Two hours lecture, two hours laboratory.

**Earth Science 407.****RESEARCH****1-3 credits**

Supervised research in geology. Can be elected in fall, spring, or summer.

## **ECONOMICS**

JOSEPH P. MOONEY, Ph.D., *Chairman*

*Professors: Ciesla, Flubacher, Mooney*

*Assistant Professors: Cairo, Duffy, Geruson, Grady, Kane*

*Instructor: Ricciardi*

*Lecturer: Sadnicki*

### **Economics 111.**

#### **PRINCIPLES OF ECONOMICS I**

3 credits

Fundamental economic principles and processes including such topics as national income, employment theory, monetary and fiscal policy, public debt, business cycles, and inflation. Prerequisite for all economics courses except 320, 415, and 416.

### **Economics 112.**

#### **PRINCIPLES OF ECONOMICS II**

3 credits

A continuation of Economics 111. Topics treated include economic growth, price theory, international trade, development theory, and certain topics in applied economics. Prerequisite for all economics courses except 320, 321, 415, and 416.

### **Economics 203.**

#### **MONETARY THEORY**

3 credits

An analysis of the role of money and the monetary system in determining income, employment, and the price level. Prerequisites: Economics 111, 112.

### **Economics 313.**

#### **ECONOMICS AND BUSINESS STATISTICS I**

3 credits

General introduction to the basic ideas and procedures of statistical analysis with special emphasis on their application to economics and business. Methods of statistical description, index numbers, and time series analyses. Introduction to statistical inference using the normal probability distribution.

### **Economics 314.**

#### **ECONOMICS AND BUSINESS STATISTICS II**

3 credits

Foundations of statistical inference as applied to decision-making on the basis of limited information. Basic concepts of probability, probability distributions, estimation and test of hypotheses, regression and correlation techniques.

### **Economics 317.**

#### **LABOR PROBLEMS IN AMERICA**

4 credits

Study of the sources of the union movement, its history, structure, and functions. Attention to the development of economic, political, and social power, as well as to the problems involved in the use of this power; management rights and management reaction to unions are also treated.

### **Economics/Sociology 320.**

#### **INTRODUCTION TO URBAN STUDIES**

3 credits

An introduction to the varied disciplinary approaches used by social scientists in their investigation of the urban scene. Study and discussions of the literature on urban affairs. Independent research projects on surrounding neighborhood area. Co-taught by sociology and economics departments. Identical with Sociology 320.

**Economics/Sociology 321.****SEMINAR IN URBAN STUDIES****3 credits**

Intensive analysis of the city as a system of interrelated variables and institutional subsystems. Stresses current policies and practices in the social and economic options available to various urban interest groups. Independent research projects on the Philadelphia region. Co-taught by economics and sociology departments. Prerequisite: 6 semester hours of social science. Identical with Sociology 321.

**Economics 322.****AMERICAN ECONOMIC HISTORY****3 credits**

History of the growth and development of the economic institutions of the United States from the Age of Discovery to the New Deal and their influences on political and social organizations.

**Economics 325.****INTRODUCTION TO MATHEMATICAL ECONOMICS****4 credits**

Designed to acquaint the student with certain topics in algebra, analytic geometry, and calculus which are most useful in their application to micro- and macroeconomic analysis.

**Economics 401.****INTERMEDIATE ECONOMIC THEORY I: PRICE THEORY****4 credits**

Theory of consumer behavior, production, and cost. Price determination of products in various market models and of factors of production. Welfare economics. Prerequisites: Economics 111, 112.

**Economics 402.****INTERMEDIATE ECONOMIC THEORY II: THEORY OF EMPLOYMENT, GROWTH, AND FLUCTUATIONS****4 credits**

Theory of the level of income and employment. Theories of economic growth, traditional and modern. Theories of economic fluctuations, stabilization policies, and forecasting. Prerequisites: Economics 111, 112.

**Economics 403.****INTERNATIONAL ECONOMICS****3 credits**

An introduction to the theory of international exchange, to natural and policy barriers to trade, to relations between developed and developing countries, and to international disequilibrium. Stress on the evolution of the international monetary system and selected current problems such as balance of payments, exchange standards, liquidity, and the role of international institutions. Prerequisites: Economics 111, 112.

**Economics 404.****PUBLIC FINANCE****3 credits**

An analysis of the revenue and expenditure activities of government with particular emphasis on the rationale of this government activity, the method of financing, and the effects of fiscal policy on allocation, distribution, efficiency, equity and stability in the economy. Prerequisites: Economics 111, 112.

**Economics 415.****HISTORY OF ECONOMIC THOUGHT****3 credits**

A detailed study of the leading economic concepts and schools of economic thought from the mercantilists up to and including Alfred Marshall.



**Economics 416.****CONTEMPORARY ECONOMIC SYSTEMS****3 credits**

A continuation of Economics 415 until Keynesian economics has been treated; a history and analysis of socialist and Marxist thought culminating in a comparative study of the structure and function of the economies of the United States and the Soviet Union.

**Economics 420-421.****SEMINAR****3-6 credits**

A study of methodology in economics and of the techniques of preparing research reports. Second semester includes readings, discussions, and presentation of individual research reports. *Recommended for majors who plan to attend graduate school.*

## **EDUCATION**

GARY K. CLABAUGH, M.S., *Chairman*

*Associate Professor: Binkowski*

*Assistant Professors: Bangs, Clabaugh, Fromuth, Roehm, Wallace*

During his freshman year, the student follows the program prescribed for the subject which he plans to teach. Application for admission into the teacher preparation program is normally made during the second semester of freshman year. Admission requires approval of the chairmen of both the education department and the subject department, based on evidence that the candidate possesses the physical, emotional, and personal qualities for successful teaching. The candidate must have and maintain an index of at least 2.00 for admission and retention in the program.

In his last three years, the student follows the program designated by his subject chairman and the chairman of the education department.

Before being accepted for Practicum in Teaching (Education 402), the student must have an index of 2.50 or better in his subject major and receive approval of both subject chairman and education department chairman.

Students not preparing for teaching may elect courses in education with the approval of the education department.

**Education 301.****THE SCHOOL: INTRODUCTION TO EDUCATION****3 credits**

Analysis of relationship between organizational structure and educational policies of American schooling and the socio-economic system of modern society. Both semesters.

**Education 302.****THE CHILD: EDUCATIONAL PSYCHOLOGY****3 credits**

Study of psychological principles as they apply to the pupil and the learning process. Both semesters. Prerequisite: Psychology 101.

**Education 303.****THE TEACHER: ANALYSIS OF TEACHING****3 credits**

The study of teaching skills. Includes simulations, micro-teaching, interaction analysis. Prerequisites: pre-student teaching, Education 301, 302.

**Education 401.****THE SUBJECT: CURRICULUM AND PROBLEMS****3 credits**

The study of student's major teaching area. Courses conducted by member of department or area in which prospective teacher is preparing. Prerequisite: Education 303.

**Education 402.****PRACTICUM IN TEACHING**

Conducted under direction of college supervisors and cooperating teachers in the secondary schools. Open only to seniors receiving satisfactory recommendations. Prerequisite: written application to be filed with Supervisor of Practice Teaching by March 1 of junior year.

**Education 404.****EDUCATIONAL MEDIA****3 credits**

Direct application of media, methods, and materials to the classroom. Preparation of instructional materials; use, application, and development of multi-media, self-instructional programs.

**ENGLISH**

CHARLES V. KELLY, M.A., *Chairman*

*Professors:* Burke, Kelly, Koch, Rodden

*Associate Professors:* Devlin, Doran, Ellis, Fallon, Hannum, Keenan,  
Mollenhauer, Sheekey

*Assistant Professors:* Butler, Carter, Cunningham, Eriksson, Frank, Gresh, Kleis,  
Lautz, MacLeod, Rao, Seydow, Thornton

*Instructors:* Hammill, McClatchy, Ruggiero, Willens

*Lecturer:* McClelland

**English 101.****COMPOSITION****3 credits**

Training in exposition and argumentation. Weekly themes.

**English 105-106.****HISTORY OF THE THEATRE AND THE DEVELOPMENT OF THE  
DRAMATIC STRUCTURE****3-6 credits**

A study of the development of the composite arts of theatre, and an analysis of the dramatic structure in representative plays. Fall term: origins to 1700. Spring term: 1700 to present. *Required of students concentrating in speech and drama.*

**English 205.****APPROACH TO LITERATURE****3 credits**

Training for literary understanding and appreciation through a study of the types of literature, particularly the drama and the novel.

**English 206.****APPROACH TO LITERATURE****3 credits**

Training for literary understanding and appreciation through a study of poetry and the novel.

**English 209-210.****THE LITERATURE OF ENGLAND****3-6 credits**

Survey course in English literature showing development in types and forms. Fall: *Beowulf* to Blake. Spring: since 1800.

**English 212.****FUNDAMENTALS OF THEATRE PRACTICE**

3 credits

A lecture-laboratory course in stagecraft, lighting, and other skills associated with play production. *Required of students concentrating in speech and drama.*

**English 214.****ORAL INTERPRETATION OF PROSE AND POETRY**

3 credits

Training of the speaking voice as it is involved in building a performance. Special emphasis on "reading out the meaning" of verse and prose selections. *Required of students concentrating in speech and drama.*

**English 216.****ACTING I: VOICE AND BODY**

3 credits

A laboratory course in the use of the player's instruments, vocal and physical; practical training in vocal production, singing; in body movement, dance. *Required of students concentrating in speech and drama.*

**English 219-220.****GREAT BOOKS IN ENGLISH**

3-6 credits

Honors course. Reading of major works in their entirety, in chronological sequence, linked by discussion of major periods and movements. Short critical papers.

**English 306.****INTRODUCTION TO DESCRIPTIVE LINGUISTICS**

3 credits

Nature of language; modern methods of linguistic analysis. Social and cultural background of language. Fall term.

**English 307.****CHAUCEER**

3 credits

Readings in Chaucer, especially *Troilus and Criseyde* and *The Canterbury Tales*. Spring term.

**English 308.****INTRODUCTION TO HISTORICAL LINGUISTICS**

3 credits

Theories and techniques dealing with the development of language through history. Language change. Comparative method. Spring term.

**English 313.****READINGS IN BRITISH DRAMA: MYSTERY PLAYS TO WILDE (1900)**

3 credits

Survey of the important dramas of England from the Middle Ages to 1900. Fall term.

**English 314.****THE POEM IN ENGLISH**

3 credits

A study of the uses of language in English poetry—meter, metaphor, symbol, and other linguistic features—and of the major conventional forms of English poetry. Both terms.

**English 315.****READINGS IN THE BRITISH AND AMERICAN NOVEL:****RICHARDSON TO HARDY (1900)**

3 credits

Historical development of the genre; structural questions of the narrative form. Both terms.

- English 318.**  
HISTORY OF THE ENGLISH LANGUAGE 3 credits  
Origins and the development of modern English from Old and Middle English; dialects and dialect geography. Fall term.
- English 319.**  
ORAL COMMUNICATION 3 credits  
Speech composition, audience psychology, and technique of delivery; emphasis on practical speaking experience. Fall term.
- English 321.**  
ADVANCED ORAL COMMUNICATION 3 credits  
Oral reading, argumentation, and debate. Further practical experience. Prerequisite: English 319. Spring term.
- English 322.**  
CONTEMPORARY BRITISH AND AMERICAN NOVEL 3 credits  
A study of the major novelists of the present century in England and America. Structure and trends. Both terms.
- English 328.**  
SHAKESPEARE 3 credits  
Reading of a wide selection of plays and sonnets with a concern for Shakespeare's artistic development. Fall term.
- English 329.**  
SHAKESPEARE 3 credits  
Intensive study of selected poems and plays, including tragedies, comedies, and chronicles. Spring term.
- English 340-341-342.**  
CREATIVE WRITING I, II, & III 3 credits per term  
Workshops in the writing of fiction and verse.
- English 344.**  
FUNDAMENTALS OF JOURNALISM 3 credits  
Training in basic techniques of journalism and practical experience on student publications. Fall term.
- English 349.**  
THE FILM AS ART 3 credits  
Study of selected films and discussion of cinematographic techniques involved. Spring term.
- English 355.**  
STRUCTURE OF ENGLISH 3 credits  
Linguistic description of 20th century American English. Comparison of traditional and modern grammatical analyses. Of special interest to English-education majors. Spring term.
- English 360.**  
MIDDLE ENGLISH LITERATURE 3 credits  
A survey of English literature of the 12th through 15th centuries, exclusive of Chaucer. Fall term.

**English 361.****RENAISSANCE LITERATURE**

3 credits

Selected readings in the literature of the English Renaissance. Particular attention to: More, *Utopia*; Spenser, *Faerie Queen*; Marlowe, *Hero and Leander*; Shakespeare, "Venus and Adonis," *Troilus and Cressida*; Browne, *Urn Burial*; Milton, *Paradise Lost*. Spring term.

**English 362.****ENGLISH LITERATURE OF THE RESTORATION AND 18th CENTURY**

3 credits

The historical approach will include the chief figures: Dryden, Pope, Swift, Addison and Steele, Johnson, and their more outstanding contemporaries. Fall term.

**English 363.****ENGLISH LITERATURE OF THE ROMANTIC PERIOD**

3 credits

An historical survey of the lyric and narrative poets Coleridge, Wordsworth, Byron, Shelley, Keats, their practice and theory. Pertinent references to their contemporaries. Fall term.

**English 364.****ENGLISH LITERATURE OF THE VICTORIAN PERIOD**

3 credits

The chief literary figures of the period—Tennyson, Arnold, Browning, Hopkins, Carlyle, Newman, Ruskin—and their contemporaries placed against their milieu. Lyric and essay stressed. Spring term.

**English 365.****AMERICAN LITERATURE (to 1860)**

3 credits

Literary historical movements of the period; major figures include Irving, Poe, Hawthorne, Melville, Emerson, Thoreau, and Whitman. Fall term.

**English 366.****AMERICAN LITERATURE (1860-1920)**

3 credits

Rise of realism; naturalism; the "new poetry." Figures include Twain, Dickinson, Howells, James, Crane, Dreiser, and Robinson. Both terms.

**English 367.****AMERICAN LITERATURE (SINCE 1920)**

3 credits

Survey of developments in poetry, fiction, and criticism; figures include Hemingway, Fitzgerald, Faulkner, Frost, Eliot, Steinbeck, and selected writers of the 1950's and 1960's. Spring term.

**English 375.****MILTON**

3 credits

A study of the form and content of Milton's poetry, supplemented by student research on his prose and on the ideas and values of his age. Fall term.

**English 401.****ADVANCED EXPOSITION**

3 credits

Practice in confronting special writing problems of business, education, and other professions. Recommended for prospective teachers. Both terms.

**English 405.****LITERARY THEORY AND CRITICISM**

3 credits

An introduction to the theory of literary structure and literary value; exercises in the description and evaluation of literary works; reports on assigned readings. Fall term.

**English 406.**

**HISTORY OF LITERARY CRITICISM**

3 credits

Reading and discussion of major critical texts in historical setting. Short critical papers. Spring term.

**English 412.**

**SPECIAL LITERARY TOPICS**

3 credits

Concentration on one particular aspect of literature. Subject matter will vary from term to term. Fall: Yeats and his Contemporaries. Spring: Contemporary British Poetry.

**English 413-414.**

**SENIOR COORDINATING SEMINAR**

3-6 credits

Intensive study of one author (chosen by student) with relation to his literary period and genre. Preparation and discussion in small group meetings of two long papers each semester by each student with emphasis on synthesis of the ideas presented in individual courses.

**English 416.**

**READINGS IN MODERN DRAMA**

3 credits

A study of selected plays of the modern theatre from Ibsen to Ionesco, with an emphasis on the forces which have shaped the drama of England, Ireland, and America. Spring term.

**English 420.**

**CONTEMPORARY POETRY**

3 credits

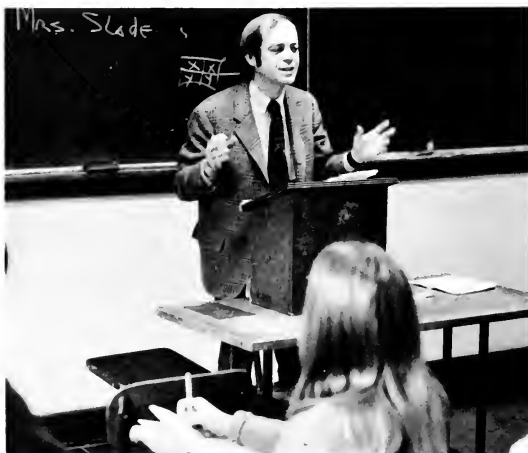
An examination of representative 20th century poetic practice in English. Fall term.

**English 433.**

**GOD AND MAN IN MODERN LITERATURE**

3 credits

Changing concepts of God, the Self, and the relations between the two; the reflection of the changes in several outstanding 20th century authors.



## FINE ARTS

GEORGE K. DIEHL, M.A., *Chairman*  
*Assistant Professors:* Diehl, Hanes, Riddington, White  
*Lecturer:* Lang

### **Art 205.**

#### **ELEMENTS OF ART**

3 credits

Analysis of the elements of painting, sculpture, and architecture; application of principles to several major artists and to the major stylistic periods.

### **Art 301.**

#### **OIL PAINTING**

3 credits

Introduction to basic techniques of sketching and painting. Preparation of materials and instruction in perspective. Exercises in indoor and outdoor painting.

### **Art 302.**

#### **ADVANCED PAINTING**

3 credits

Further exercise in painting from the model, still life, and landscape.

### **Art 329-330.**

#### **HISTORY OF ART**

3-6 credits

Historical survey of the principal branches of the fine arts in western civilization. Fall term: beginnings to 1500. Spring term: 1500 to present.

### **Art 331.**

#### **AMERICAN ART**

3 credits

Chronological survey of painting, sculpture, architecture, and the minor arts in America from colonial times to the present. Particular emphasis on monuments in the Philadelphia area with field trips to include the du Pont Winterthur Museum. Fall term.

### **Art 351.**

#### **HISTORY OF GRAPHIC ART**

3 credits

Chronological examination of graphic art from its inception in the 15th century to the present. Examination of original prints from the resources of the National Gallery of Art, Lessing J. Rosenwald collection. Prerequisites: Art 205 and permission of the instructor. Written research project. Spring term.

### **Music 103.**

#### **CHORAL MUSIC**

2 credits

Introduction to the theory and practice of choral music; practicum with the glee club.

### **Music 205.**

#### **INTRODUCTION TO MUSIC**

3 credits

Designed to develop and refine musical perception and systematically to explore the fundamentals of music and their interrelationships. Includes historical overview.

### **Music 301.**

#### **SYMPHONIC MUSIC**

3 credits

A study of symphonic literature from the baroque to the present emphasizing those composers most important in its formulation and practice. Orchestration. Score reading.

**Music 302.****A SHORT HISTORY OF OPERA****3 credits**

Music for the operatic stage from its inception to the contemporary period. Concentrated study of selected works representing the stylistic and historical development of opera.

**Music 305.****PIANO INSTRUCTION****No credit given**

Private piano instruction available on campus from concert pianist Edna Bockstein.

**Music 320.****BACH AND HANDEL****3 credits**

Their historical importance in the late baroque period. A study of representative vocal, instrumental, and chamber works. Fall term.

**Music 321.****MUSIC OF THE CLASSIC PERIOD****3 credits**

A study of Western music from 1750 to the death of Beethoven. The rise and development of the classical style. Spring term.

**Music 323.****MUSIC IN THE ROMANTIC ERA****3 credits**

An intensive study of 19th century developments in music. The symphonic poem, art song, and music-drama. Expansion of orchestral and pianoforte technique; development of symphonic and chamber music forms; growth of nationalism. Fall term.

**Music 324.****CONTEMPORARY MUSIC****3 credits**

Studies in the style and technique of music in the late 19th and 20th centuries, Impressionism; neo-classicism; expressionism; electronic music. Selected compositions of Debussy, Stravinsky, Bartok, Schoenberg, Berg, and Varese will be examined in detail. Spring term.

**FOREIGN LANGUAGES**

BERNHARDT G. BLUMENTHAL, Ph.D., *Chairman*

*Professors:* Bernian, Boudreau

*Associate Professors:* B. Blumenthal, Brownstein, DiMarco,

Moran, Sapone, Rudnytzky

*Assistant Professors:* D. Blumenthal, Carrio, Dixon, Fenoaltea, Garcia-Castro,

Joseph, McCann, Mall, Morocco, Perfecki, Suarez

*Director of Language Laboratory:* Ronald Fisher

**CLASSICAL LANGUAGES****GREEK****Greek 101-102.****ELEMENTARY GREEK****4-8 credits**

An introductory study of forms and syntax; includes reading and translation exercises and frequent practice in prose composition.



**Greek 202.**  
REVIEW GRAMMAR AND COMPOSITION 3 credits  
Grammatical review; exercises in composition and selected readings.

**Greek 204.**  
XENOPHON AND THUCYDIDES 3 credits  
Selections from the *Anabasis* and *Peloponnesian Wars*.

**Greek 304.**  
HOMER 3 credits  
Selections from the *Iliad* or *Odyssey*. Study of the epic meter and style.

**Greek 305.**  
THE NEW TESTAMENT 3 credits  
Selected passages; special attention to the forms peculiar to New Testament Greek.  
May be repeated for credit.

**Greek 312.**  
LYRIC POETRY 3 credits  
The lyric poets from Archilocus to Theocritus; analysis of the meters; special emphasis on Pindar's odes.

**Greek 407.**  
PLATO 3 credits  
Selections from the writings of Plato with special attention to the syntax; Platonic philosophy and contemporary life in Athens.

**Greek 408.**  
DRAMA 3 credits  
Selections from the repertory of Greek comedy or tragedy; attention to the subsequent influence of this genre on world literature. May be repeated for credit.

**Greek 421.**  
SURVEY OF GREEK LITERATURE 3 credits  
A detailed study of the literary history of Greece; significant Greek classics read and discussed. Knowledge of Greek not required. Open to upperclassmen who desire a cultural course of this nature.

**Greek 422.**  
HISTORY OF GREEK AND LATIN LANGUAGES 3 credits  
Identical to Latin 422.

## LATIN

**Latin 101-102.**  
ELEMENTARY LATIN 3-6 credits  
Thorough grounding in forms and vocabulary.

**Latin 202-204.**  
INTERMEDIATE LATIN 3-6 credits  
Review of elementary grammar; readings of selected prose and poetry.

**Latin 308.**  
PROSE COMPOSITION 3 credits  
A study of Latin syntax, with practice in writing Latin of graded difficulty.

**Latin 309.****CICERO****3 credits**

The works to be read will depend on the interests of the class.

**Latin 310.****LIVY AND ROMAN HISTORIOGRAPHY****3 credits**

Selected passages of Livy's *History of Rome*; study of Roman historical theory.

**Latin 312.****HORACE AND LATIN LYRIC POETRY****3 credits**

Study of the Horatian Ode; comparison with other Latin lyric poets.

**Latin 314.****LATIN POETRY****3 credits**

Selections from one or several of the Roman poets. Readings may be chosen from works of: Vergil, Catullus, Lucretius, Tibullus, Propertius, Martial, Ovid, Horace, Juvenal, and Persius. May be repeated for credit.

**Latin 413.****ROMAN COMEDY****3 credits**

Selected plays of Plautus and Terence will be read.

**Latin 415.****PATRISTIC LATIN****3 credits**

Selections from the principal Latin fathers. A brief survey of the field of patrology and its influence on the Christian way of life.

**Latin 416.****MEDIEVAL LATIN****3 credits**

Selections from the various writers from the fifth to the thirteenth centuries of the Christian era. A study of changes in Latin forms and syntax and in the meaning of words; relations of medieval Latin to the vernaculars.

**Latin 420.****LATIN INSCRIPTIONS****3 credits**

A study of Roman private life as illustrated by a wide variety of inscriptions. A survey will be made of the field of epigraphy and of modern techniques used.

**Latin 421.****LATIN CLASSICS IN ENGLISH****3 credits**

A detailed study of the literary history of Rome and the influence of Latin literature on western thought. Its indebtedness to the literature of Greece will be clearly noted. Some significant Latin classics read and discussed; knowledge of Latin not required. Open to upperclassmen who desire a cultural course of this type.

**Latin 422.****HISTORY OF LATIN AND GREEK LANGUAGES****3 credits**

Latin and Greek traced from earliest stages to their transformation into the various daughter languages of the modern world (the Romance languages and modern Greek). Reading knowledge of Latin and Greek not required.

## MODERN LANGUAGES

By independent study or by electing lower division courses, the modern language major will achieve sufficient competence in a second language for intermediate or, preferably, advanced courses in his senior year.

### FRENCH

#### French 101-102.

##### ELEMENTARY FRENCH

3-6 credits

A study of the phonetics and grammar of French with graded work in reading and composition. One required hour per week in the language laboratory.

#### French 202.

##### REVIEW GRAMMAR AND COMPOSITION

3 credits

A review of French grammar with exercises in composition and selected readings.

#### French 204.

##### INTERMEDIATE READINGS

3 credits

Readings of medium difficulty selected as an introduction to the literature and civilization of France.

#### French 305.

##### ADVANCED GRAMMAR AND COMPOSITION

3 credits

Training in the use of idiomatic French and in the practical application of grammatical principles; intensive exercises in written expression and in the translation of standard English prose into French.

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#### French 306.

##### ADVANCED LANGUAGE AND STYLE

3 credits

Continuation of French 305 with mounting stress on refinement of phrase and oral delivery.

#### French 308.

##### SURVEY OF LITERATURE I

3 credits

Readings and discussions of selected literary works from the beginnings to 1800.

#### French 309.

##### SURVEY OF LITERATURE II

3 credits

Readings and discussions of selected literary works from 1800 to the present.

#### French 311.

##### CIVILIZATION I (ADVANCED CONVERSATION)

3 credits

A survey of the political, social, intellectual, scientific and artistic development of France from earliest times to 1900. Lectures and readings serve as a basis for oral practice.

#### French 312.

##### CIVILIZATION II (ADVANCED CONVERSATION)

3 credits

A survey of the geography, history, institutions and artistic and cultural life of modern France. Lectures and readings serve as a basis for oral practice.

#### French 402.

##### MODERN NOVEL

3 credits

A study of the novels of Proust, Gide, Bernanos, Giono, Malraux, Sartre and Camus.

**French 405.****OLD FRENCH LANGUAGE AND LITERATURE****3 credits**

The history of the formation of the French language, with special attention to the phonological and morphological development from Latin. Literary study, using texts in the original, of Alexis, Roland, Guigemar, Aucassin, Vergi and the poetry of Villon.

**French 413.****SIXTEENTH-CENTURY LITERATURE****3 credits**

Readings and reports on works of representative authors of the 16th and also the 17th centuries.

**French 414.****EIGHTEENTH-CENTURY LITERATURE****3 credits**

Readings and reports on works of representative authors of the 18th century. Prerequisite: French 204.

**French 420.****MODERN THEATRE****3 credits**

A study of the plays of Claudel, Cocteau, Giraudoux, Anouilh, Montherlant, Sartre, Camus, Beckett, Ionesco and Genet.

**French 421.****MODERN POETRY****3 credits**

A study of French poetry from Nerval and Baudelaire through the symbolists and surrealists to the present.

**French 425.****NINETEENTH-CENTURY NOVEL****3 credits**

A study of the novels of Constant, Stendhal, Balzac, Flaubert, Fromentin, Zola and Huysmans.

**French 430.****CLASSICAL THEATRE****3 credits**

A study of the plays of Corneille, Moliere and Racine.

**French 440.****HONORS SEMINAR****3 credits**

Tutorial conferences, papers on selected topics, and experience in classroom teaching.

**GERMAN****German 101-102.****ELEMENTARY GERMAN****3-6 credits**

An introductory study of the phonetics and grammar of the language including graded work in reading and composition. Weekly audio-oral laboratory assignments.

**German 202.****REVIEW GRAMMAR AND COMPOSITION****3 credits**

Grammatical review, exercise in composition, and selected readings. Prerequisite: German 102, or a passing grade in German placement examination. Weekly audio-oral laboratory assignments.

**German 204.****INTERMEDIATE READINGS****3 credits**

Selected readings of moderate difficulty from writers of the 18th, 19th, and 20th centuries with a view to introducing the student to the literature and civilization of the country.

**German 304-305.****CONVERSATION AND COMPOSITION****3-6 credits**

Extensive practice in the comprehension of spoken German; conversation and composition. Continued use of the language laboratory.

**German 306.****READINGS IN SCIENTIFIC GERMAN PROSE****3 credits**

Scientific readings selected with a view towards building a technical vocabulary. Open to science majors as an elective—as a substitute for German 204.

**German 310-311.****ADVANCED ORAL PRACTICE****3-6 credits**

Oral practice for the development of skill in conversation. Special attention to remedial work in pronunciation and diction.

**German 313.****MEDIEVAL LITERATURE****3 credits**

Study and discussion of German literature from its beginnings to the end of the medieval period.

**German 315.****LITERATURE OF THE 15th AND 16th CENTURIES****3 credits**

Study and discussion of the literature of the 15th and 16th centuries from the end of the medieval period to the beginnings of the baroque.

**German 319.****LITERATURE OF THE 17th AND 18th CENTURIES****3 credits**

Study and discussion of the literature of the 17th and 18th centuries excluding the works of Goethe and Schiller.

**German 320.****THE CLASSICAL AGE****3 credits**

Study and discussion of the literature of the classical age with special attention to the works of Goethe and Schiller.

**German 401.****LITERATURE OF THE 19th CENTURY****3 credits**

Study and discussion of the literature of romanticism, realism, and naturalism.

**German 402.****LITERATURE OF THE 20th CENTURY****3 credits**

Study and discussion of modern German literature from 1880 to the present.

**German 405.****HISTORY OF THE GERMAN LANGUAGE****3 credits**

The German language from its beginning to the present; particularly, the development of sounds, vocabulary and the formation of standard High German.

**German 410.****OLD HIGH GERMAN****3 credits**

Descriptive and historical analysis of Old High German texts with their dialect features.

**German 411.****MIDDLE HIGH GERMAN****3 credits**

Descriptive and historical analysis of Middle High German texts. Readings in Middle High German literature.

**German 420-421.****SEMINAR****3-6 credits**

Topics of investigation vary from semester to semester. Readings, reports, and discussion in a selected genre (novel, drama, lyric, short story). Extensive seminar paper.

## **ITALIAN**

**Italian 101-102.****ELEMENTARY ITALIAN****3-6 credits**

An introductory study of the phonetics and grammar of the language including graded work in reading and composition. Intended for those who are beginning the study of Italian. One required hour per week in language laboratory.

**Italian 202.****REVIEW GRAMMAR AND COMPOSITION****3 credits**

Grammatical review, exercises in composition and selected readings.

**Italian 204.****INTERMEDIATE READINGS****3 credits**

Selected readings of intermediate difficulty from writers of the 19th and 20th centuries with a view to introducing the student to the literature and civilization of the country.

**Italian 305.****ADVANCED GRAMMAR AND COMPOSITION****3 credits**

Training in the use of correct idiomatic Italian and in the practical application of grammatical principles; exercises in written expression and in translating standard English prose into Italian.

**Italian 306.****STYLISTICS****3 credits**

Includes intensive oral exercises with a view towards improving the student's pronunciation and increasing his active vocabulary. Students make frequent use of audio aids.

**Italian 308.****SURVEY OF ITALIAN LITERATURE I****3 credits**

Designed to provide a fundamental knowledge of Italian literature from its origins to the 16th century, with particular stress on Dante, Petrarca and Boccaccio, and their contribution to Italian humanism and the Renaissance.

**Italian 309.****SURVEY OF ITALIAN LITERATURE II**

3 credits

A comprehensive study of Italian literary currents from the "Marinismo" to D'Annunzio and Pirandello through neo-classicism, romanticism, and futurism, with comparative references to European literature.

**Italian 402.****MODERN AUTHORS**

3 credits

Includes a survey of Italian narrative and poetic production in the late 19th century and in the first half of the 20th century.

**Italian 405.****HISTORY OF THE ITALIAN LANGUAGE**

3 credits

Deals with the Italian language in its origins in the 7th century up to modern times. By means of a very few philologic and glottologic rules, the student will acquire a knowledge of the origins and transformation of Italian from Vulgar Latin, in chronological progression.

**Italian 413.****READING LIST I**

3 credits

Gives an acquaintance with excerpts of Italian writers including the poets of the 12th and 13th centuries, such as Cino da Pistoia, Guido Guinizelli, Cielo D'Alcamo, Jacopo da Lentini, Guido Cavalcanti, Dante Alighieri, Francesco Petrarca, Angelo Polizano, Lorenzo de Medici, and others.

**Italian 414.****READING LIST II**

3 credits

Italian poems of knighthood, with particular emphasis on *L'Orlando Furioso* by Ludovico Ariosto and *La Gerusalemme Liberata* by Torquato Tasso; reference to the antecedents of this literary genre.

**Italian 420.****SEMINAR: MANZONI**

3 credits

A comprehensive study of the author's major work and Italy's greatest novel, *I Promessi Sposi*; consideration of the author's two historic poems, "L'Adelchi" and "Il Conte di Carmagnola."

**Italian 421.****SEMINAR: LEOPARDI**

3 credits

A study of the works of Leopardi including "Le Operette Morali," "I Canti," and "I Pensieri."

**Italian 422.****DANTE**

3 credits

A comprehensive study of Dante's *Divine Comedy*, viewed in its different aspects: an exciting adventure story, an exposition of the poet's political action and feelings, a love story, a compendium of history, science and theology, and, finally, a program of political organization.

**Italian 423.****HISTORY OF THE ITALIAN THEATRE**

3 credits

A chronological survey of Italian theatre, from the religious medieval representations in the open to modern realistic drama. Special attention to Alfieri's tragedies and their influence on Italian "Risorgimento."

## RUSSIAN

### **Russian 101-102.**

#### **ELEMENTARY RUSSIAN**

3-6 credits

Audio-lingual approach; regular exercises in language laboratory stress fundamental structural features of the contemporary spoken language.

### **Russian 202-204.**

#### **INTERMEDIATE RUSSIAN**

3-6 credits

Second part of two year program based on audio-lingual principles. Continued emphasis on language laboratory work. Introduction to literature and civilization.

### **Russian 304-305.**

#### **ADVANCED GRAMMAR AND CONVERSATION**

3-6 credits

Advanced grammar exercises and conversation.

### **Russian 310-311.**

#### **ADVANCED READINGS AND COMPOSITION**

3-6 credits

Selected readings of 19th and 20th century Russian prose and verse. Compositions based on readings.

### **Russian 402-403.**

#### **SOVIET RUSSIAN LITERATURE**

3-6 credits

Socialist realism as a doctrine of art and literature in the Soviet Union. Readings from Gorky, Mayakovsky, Babel, Olesha, Leonov, Zamyatin, Zoshchenko, Sholokhov, Ilf and Petrov, Simonov, Pasternak, Yevtushenko, Solzhenitsyn and others.

### **Russian 405.**

#### **HISTORY OF THE RUSSIAN LANGUAGE**

3 credits

Historical background for an understanding of the phonology, morphology, syntax, and vocabulary of modern Russian.

### **Russian 406.**

#### **OLD RUS' LITERATURE**

3 credits

Selected readings from the epic, annalistic, and hagiographic literature from the 11th to the 17th centuries with special emphasis on *Igor's Tale* and the *Primary*, *Kievan*, and *Galician-Volynian* chronicles. The beginnings of fiction.

### **Russian 420.**

#### **SEMINAR**

3 credits

The study of the phonology, morphology, syntax, and vocabulary of a second Eastern Slavic language, Ukrainian, by noting the differences that exist between it and Russian.

### **Russian 421.**

#### **SEMINAR**

3 credits

The study of the phonology, morphology, syntax, and vocabulary of a Western Slavic language, Polish, by noting the differences that exist between Polish, Russian, and Ukrainian.

### **Russian 431-432.**

#### **RUSSIAN LITERATURE OF THE 19th CENTURY**

3-6 credits

Romanticism and realism in Russian literature. Readings from Pushkin, Griboedov, Lermontov, Gogol, Turgenev, Ostrovsky, Dostoevsky, L. Tolstoy, Saltykov-Shchedrin, Leskov, Chekhov, Kuprin, Bunin, and Andreev.



## SPANISH

### **Spanish 101-102.**

#### **ELEMENTARY SPANISH**

3-6 credits

Designed to provide a fundamental capacity in conversation; audio-oral method employed. Grammar is presented strictly on a functional basis to facilitate speech and comprehension. One required hour per week in the language laboratory.

### **Spanish 202.**

#### **REVIEW GRAMMAR AND COMPOSITION**

3 credits

Grammatical review, exercises in composition and selected readings. One required hour per week in the language laboratory.

### **Spanish 204.**

#### **INTERMEDIATE READINGS**

3 credits

Selected readings of intermediate difficulty from writers of the 19th and 20th centuries with a view to introducing the student to the literature and civilization of the country. One required hour per week in the language laboratory.

### **Spanish 300.**

#### **SURVEY OF SPANISH CIVILIZATION**

3 credits

A cultural and historic study of Spain's past, examining the effects of Rome and Islam, the period of Spanish domination and later decline, and the status of present-day Spain.

### **Spanish 301.**

#### **SURVEY OF SPANISH AMERICAN CIVILIZATION**

3 credits

A cultural and historic presentation of the diversity of Latin America from the Aztecs and Incas to the Conquest, the viceroyalties, and the establishment of independent nations; course concludes with a thorough study of today's Latin America.

### **Spanish 304.**

#### **ADVANCED CONVERSATION**

3 credits

Includes intensive oral exercises with a view towards improving the student's pronunciation and increasing his active vocabulary. Students make frequent use of audio aids.

### **Spanish 305.**

#### **ADVANCED GRAMMAR AND COMPOSITION**

3 credits

Training in the use of correct idiomatic Spanish and in the practical application of grammatical principles; intensive exercises in written expression and in translating of standard English prose into Spanish.

### **Spanish 306.**

#### **COMMERCIAL SPANISH**

3 credits

Intended to acquaint the student with commercial Spanish terminology combined with lectures, readings and translations of business letters. Introduction of new vocabulary used in the business world with emphasis on Spanish American idiomatic expressions.

### **Spanish 308.**

#### **SURVEY OF SPANISH LITERATURE I**

3 credits

An introduction to the study of Spanish literature which combines reading and discussion of the earliest works from the middle ages to the masters of drama of the Golden Age.

- Spanish 309.**  
SURVEY OF SPANISH LITERATURE II 3 credits  
A course in readings and discussions of the authors from the 18th century to the contemporary period, including the neoclassic and romantic eras, and the modern novelists and poets.
- Spanish 310.**  
SURVEY OF SPANISH AMERICAN LITERATURE 3 credits  
Reading and discussion of works from the colonial period to the 20th century.
- Spanish 402.**  
READING LIST: THE SPANISH NOVEL OF THE 19th CENTURY 3 credits  
The development and tendencies in the modern Spanish novel as indicated in the works of Valera, Pereda, Palacio Valdes, Alarcon, Galdos, Pardo Bazan and others.
- Spanish 405.**  
HISTORY OF THE SPANISH LANGUAGE 3 credits  
Study of the formation of the language, its evolution and phonetic changes from Latin to the present modern pronunciations. Reading and discussions of the early Spanish texts and the development of the language in the early period.
- Spanish 413.**  
READING LIST: THE SPANISH NOVEL OF THE 20th CENTURY 3 credits  
Reading and discussions of the contemporary Spanish authors, their ideology and philosophies: Blasco Ibañez, Pio Baroja, Valle Inclán, Cela, Gironella, Laforet and others.
- Spanish 414.**  
READING LIST: THE SPANISH AMERICAN NOVEL 3 credits  
Readings and discussions on the sociological and the literary aspects of the leading Spanish American authors and the development of their earliest works.
- Spanish 415.**  
READING LIST: CERVANTES 3 credits  
Readings and discussions of the *Galatea*, *Persiles*, theatre, and *novelas ejemplares*, as well as *Don Quijote*.
- Spanish 420.**  
SEMINAR: DRAMA OF THE GOLDEN AGE 3 credits  
Readings, reports and discussions of the principal dramatists of the Golden Age: Lope de Vega, Tirso de Molina, Calderón, Alarcón and others.
- Spanish 421.**  
SEMINAR: THE NOVEL IN THE GOLDEN AGE 3 credits  
An extensive study based on readings, reports and discussions on the evolution of the Spanish picaresque novel: *Lazarillo de Tormes*, *Guzmán de Alfarache* and others.
- Spanish 422.**  
LITERATURE OF THE MIDDLE AGES 3 credits  
Emphasis is placed on such works as *Cantar de Mio Cid*, *Poema de Fernán González*, and *Amadís de Gaula*; authors include Berceo, Alfonso X, Juan Manuel, Juan Ruiz, Marques de Santillana, and los Manrique.

**Spanish 423.****RENAISSANCE LITERATURE**

3 credits

The works of Boscan, Garcilaso, Encina, Nebrija, Torres Naharro, and Lope de Rueda, and such works as *Tirant lo Blanc*, *Celestina*, and *Lazarillo de Tormes* form the basis of this period of literary activity.

**Spanish 424.****ROMANTICISM**

3 credits

A study of the early 19th century analyzes the works of such authors and poets as Larra, Duque de Rivas, Zorilla, Espronceda, Garcia Gutierrez, Hartzenbusch, and Becquer.

**Spanish 425.****POETRY OF THE 19th AND 20th CENTURIES**

3 credits

Works by Gabriel y Galan, de Castro, Dario, los Machado, Jimenez, Lorca, Guillen, Otero, and Salinas are considered.

**Spanish 440.****SPANISH HONORS SEMINAR**

3 credits

Tutorial conferences, papers, discussions, and experience in classroom teaching.

## **COMPARATIVE LITERATURE**

**Comparative Literature 201.****SURVEY OF WESTERN LITERATURE I**

3 credits

Lectures on masterpieces of western literature from its beginnings to the end of the classical period. Course investigates the western author's attempt to establish a consistent world view and the emergence of specific literary forms: the epic, the narrative, the drama. Discussion of comparative aspects of English, French, German, Italian, Russian, and Spanish literatures. Team-taught.

**Comparative Literature 303.****SURVEY OF WESTERN LITERATURE II****3 credits**

Lectures on masterpieces of western literature from the end of the classical period to the present day. Course investigates relationship of the modern author to reality and the transformations in his world-view and in specific literary forms. Discussion of comparative aspects of English, French, German, Italian, Russian, and Spanish literatures. Team-taught.

**Comparative Literature 301.****CLASSICISM IN WESTERN LITERATURE****3 credits**

Study and discussion of the literature of the classical age in western tradition. Designed to enable the student to discover the essential components of classicism in all the literatures studied and the significance of national variations. Team-taught.

**Comparative Literature 303.****ROMANTICISM IN WESTERN LITERATURE****3 credits**

Study and discussion of the literature of the romantic period in western tradition. Designed to enable the student to discover the essential components of romanticism in all the literatures studied and the significance of national variations. Team-taught.

## **LINGUISTICS**

**English 306.****INTRODUCTION TO DESCRIPTIVE LINGUISTICS****3 credits**

Nature of language; modern methods of linguistic analysis. Social and cultural background of language.

**English 308.****INTRODUCTION TO HISTORICAL LINGUISTICS****3 credits**

Theories and techniques dealing with the development of language through history. Language change. Comparative method.

## **HISTORY**

JOSEPH P. O'GRADY, Ph.D., *Chairman*

*Professor: Donini*

*Associate Professors: Cziraky, Donaghy, Hennessy, McCarthy, O'Grady, Rossi, Weinstein*

*Assistant Professors: Fair, Labunka*

*Instructor: Pinto*

*Lecturer: Lukacs*

**SECTION A:****INTRODUCTORY COURSES****History 201-202.****INTRODUCTION TO EUROPEAN HISTORY****3-6 credits**

Topics in the history and geography of Europe from the barbarian invasions to the fall of the Third Reich.

**History 209-210.****THE ANCIENT WORLD****3-6 credits**

A study of the ancient world with special emphasis on the politics and culture of Greece and Rome.

**History 211-212.**  
MEDIEVAL EUROPE 3-6 credits  
The rise of Christian Europe from the decline of the Roman Empire to the Age of Discovery.

**History 214-215.**  
MODERN EUROPE 3-6 credits  
The history of Europe (1500 to 1960) centered on political and social developments in Germany and France until the rise of Russia as a world power.

**History 219-220.**  
THE UNITED STATES 3-6 credits  
The shaping of the nation from its earliest settlement to its present position of world leadership and an exploration of the role of minority groups in this development.

**History 230-231.**  
SPAIN AND PORTUGAL IN AMERICA 3-6 credits  
An introduction to the history of Latin America with emphasis on the European origin of colonial and republican institutions.

**History 240-241.**  
ASIA AND THE EMERGING NATIONS 3-6 credits  
A study of selected areas in Asia and Africa and their interrelations with the west. Required for history-education majors.

## **SECTION B: REGIONAL AND TOPICAL STUDIES**

**History 329-330.**  
AMERICAN COLONIES AND REVOLUTION 3-6 credits  
A survey of the colonial place in the British Empire with emphasis on influential social, economic, intellectual, and political factors. Second semester: A survey of the period 1763 to 1789.

**History 331-332.**  
THE NATIONAL PERIOD 3-6 credits  
The development of political, social, and economic institutions in the United States from the Constitution to the Jacksonian period.

**History 333-334.**  
CIVIL WAR AND RECONSTRUCTION (1850-1877) 3-6 credits  
Sectionalism and reconstruction in both North and South, stressing the causes, personalities, and military events of the disruption and reunion of the United States.

**History 338-339.**  
THE HISTORY OF BLACK AMERICA 3-6 credits  
A survey of the Negro experience in America to include social, economic, political and religious trends.

**History 340-341.**  
AFRICAN HISTORY 3-6 credits  
A political, social, and cultural study of developments south of the Sahara from the neolithic period to the present.

- History 349-350.**  
**RENAISSANCE AND REFORMATION** 3-6 credits  
 Topics illustrating the economic, social, religious, and political changes in western society from 1400 to 1600.
- History 351-352.**  
**MODERN BRITAIN SINCE 1603** 3-6 credits  
 A treatment of the broad social, political, and economic trends in the shaping of modern Britain.
- History 353-354.**  
**THE FRENCH REVOLUTION AND THE NAPOLEONIC ERA** 3-6 credits  
 Origins and consequences of the revolution of 1789 both in France and in Europe.
- History 355-356.**  
**GERMANY SINCE 1848** 3-6 credits  
 The political, social, and cultural history of Germany from the movement for unification to the present.
- History 358-359.**  
**ABSOLUTISM AND ENLIGHTENMENT** 3-6 credits  
 A study of European culture from the early 17th century until 1763 with emphasis upon the development of political and social institutions and important changes in intellectual history.
- History 367-368.**  
**HISTORY OF EAST CENTRAL EUROPE** 3-6 credits  
 A survey of the development of national consciousness and of national states in east central Europe.
- History 371-372.**  
**DIVIDED CHRISTENDOM** 3-6 credits  
 The interrelation of political, cultural and theological differences between Rome and Byzantium and the failure of ecumenical efforts to unite Christianity, 1054 to 1517.
- History 415-416.**  
**MILITARY HISTORY** 3-6 credits  
 The history of the American military establishment, its impact upon society, and its influence upon the creation of American defense strategy and foreign policy. Fall: to 1917; Spring: 1917 to present.
- History 425-426.**  
**HISTORY OF RUSSIA** 3-6 credits  
 The development of the Russian empire to the end of the 19th century; the rise of Soviet power after the revolution.
- History 435-436.**  
**19TH CENTURY AMERICAN SOCIAL AND CULTURAL HISTORY** 3-6 credits  
 Topics in the expansion and settlement of the nation with emphasis on the shaping of the American character.
- History 437-438.**  
**AMERICA IN THE 20th CENTURY** 3-6 credits  
 Political and diplomatic changes in the United States since 1900.

**History 444-445.****THE FAR EAST IN THE 19th AND 20th CENTURIES**

3-6 credits

Concentration on China and Japan and their interaction and development since their contact with the west.

**History 447-448.****ASIAN STUDIES**

3-6 credits

Visiting Asian professors from India, Korea, Pakistan, and China conduct group discussions concerning the history, culture, and contemporary life of their countries.

**SECTION C:****SEMINARS****History 471 through 476.****SEMINAR**

3-6 credits

An introduction to the aims and methods of the historian through the preparation of papers on selected topics in the field specified—American, European, or British—along with discussion in small group meetings or tutorial conferences.

**MATHEMATICS**SAMUEL J. WILEY, Ph.D., *Chairman**Professors: Albright, Connelly**Assistant Professors: Callahan, Evans, Hofmann, Mooney, O'Neill, Sweetser, Wiley**Instructors: Brady, Leonard, McCarty, Tseng*

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**Mathematics 101.****FINITE MATHEMATICS**

3 credits

Sets; relations and functions; logic; probability; linear systems; matrices.

**Mathematics 102.****INTRODUCTION TO CALCULUS**

3 credits

The real number system; elementary functions; differential and integral calculus.

**Mathematics 103.****ALGEBRA AND TRIGONOMETRY**

4 credits

Sets; the real number system linear systems; matrices; logarithmic, exponential and trigonometric functions; theory of equations.

**Mathematics 106.****CALCULUS AND ANALYTIC GEOMETRY I**

4 credits

Functions; limits and continuity; differentiation of algebraic functions; maxima and minima; curve tracing, velocity and acceleration; integration with applications to areas, volumes, surfaces and work; the fundamental theorem of the calculus.

**Mathematics 121.****COMPUTER SCIENCE I**

3 credits

Basic programming and program structure; data representation; survey of computers, languages, systems and applications; computer solution of several numerical and nonnumerical problems.

- Mathematics 122.**  
COMPUTER SCIENCE II 3 credits  
Computer systems organization, machine language, logic design, micro-programming, interpreters; symbolic coding, assembly systems, macro-definition, generation; program segmentation and linkage; systems and utility programs. Prerequisite: Mathematics 121 or Physics 315.
- Mathematics 201.**  
LINEAR ALGEBRA 3 credits  
Linear equations and matrices; real vector spaces; linear transformations and matrices; determinants; eigenvalues and eigenvectors. Prerequisite: Mathematics 102 or 106.
- Mathematics 216.**  
CALCULUS AND ANALYTIC GEOMETRY II 4 credits  
Differentiation and integration of transcendental functions; techniques of integration; improper integrals; conic sections; polar coordinates. Prerequisite: Mathematics 106.
- Mathematics 217.**  
CALCULUS AND ANALYTIC GEOMETRY III 4 credits  
Linear algebra; vector functions; partial differentiation; multiple integration; infinite series; Taylor expansions. Prerequisite: Mathematics 216.
- Mathematics 221.**  
INTRODUCTION TO DISCRETE STRUCTURES 3 credits  
Review of set algebra including mappings and relations. Algebraic structures including semigroups and groups. Elements of the theory of directed and undirected graphs. Boolean Algebra and propositional logic. Applications of those structures to various areas of computer science. Prerequisites: Mathematics 121, 216.
- Mathematics 222.**  
DATA STRUCTURES 3 credits  
Basic concepts of data. Linear lists, string, arrays, and orthogonal lists. Representation of trees and graphs. Storage systems and structures, and storage allocation and collection. Multilinked structures. Symbol tables and searching techniques. Formal specification of data structures, data structures in programming languages, and generalized data management systems. Prerequisites: Mathematics 122 and 221.
- Mathematics 308.**  
DIFFERENTIAL EQUATIONS 3 credits  
Differential equations of the first order; linear differential equations of higher order; Laplace transforms; series solutions; applications to the physical sciences. Prerequisite: Mathematics 217.
- Mathematics 310.**  
ADVANCED CALCULUS 3 credits  
Calculus of vector valued functions; Green, Gauss and Stokes theorems; infinite series. Prerequisite: Mathematics 217.
- Mathematics 312.**  
MODERN ALGEBRA 3 credits  
Sets and mappings; groups, rings and homomorphisms; Sylow theorems; quotient structures; polynomial rings; ideals.



**Mathematics 350.****PROJECTIVE GEOMETRY****3 credits**

Axioms systems; duality; theorems of Desargues and Pappus; relationship between projective spaces and vector spaces; collineations; conic sections; theorem of Pascal; pole-polar duality. Prerequisite: Mathematics 312.

**Mathematics 425.****MODERN ALGEBRA II****3 credits**

Vector spaces, modules, linear transformations, canonical forms of matrices, fields, Galois Theory, solvability by radicals. Prerequisite: Mathematics 310.

**Mathematics 430.****TOPOLOGY****3 credits**

Topological spaces; subspaces, product spaces, quotient spaces; connectedness; compactness; metric spaces; applications to analysis. Prerequisite: Mathematics 310.

**Mathematics 450.****NUMERICAL ANALYSIS****4 credits**

Solution of algebraic, transcendental and differential equations; difference equations; matrix inversion; Gauss and Chebyshev functions. Prerequisite: Mathematics 310.

**Mathematics 460.****PROBABILITY****3 credits**

Probability spaces; random variables; discrete and continuous distributions; mass and density functions; moment generating functions; expectation; limit theorems. Prerequisite: Mathematics 310.

**Mathematics 470.****SPECIAL FUNCTIONS****3 credits**

Generating functions; orthogonal systems of functions; Legendre, Hermite, Bessel, Fourier, Gamma and Beta functions; partial differential equations. Prerequisites: Mathematics 308 and 310.

**Mathematics 475.****REAL VARIABLES****3 credits**

Real number system; Lebesgue measure; Lebesgue integration; differentiation; general measure and integration theory. Prerequisite: Mathematics 310.

**Mathematics 481, 482, 483, 484.****SELECTED TOPICS IN MATHEMATICS****3 credits**

An introductory course to specialized research, concentrating on one particular aspect of mathematics. The subject matter will vary from term to term.

**Mathematics 485.****COMPLEX VARIABLES****3 credits**

Analytic functions; Cauchy-Riemann equations; Cauchy's integral theorem; power series; infinite series; calculus of residues; contour integration; conformal mapping. Prerequisite: Mathematics 310.

## MILITARY SCIENCE

COLONEL CLARENCE W. CYR, M.A., *Chairman*

### **Military Science 101-102.**

BASIC FRESHMAN MILITARY SCIENCE I

3 credits

*Leadership:* Psychology and principles of leadership. *Required only of freshmen enrolled in ROTC.* Team-taught by members of psychology and military science departments.

*Concepts of National Security:* The role of force in international affairs, the national security structure in the U. S., and a study of the principles of war in selected military operations in world history. *Required of all freshmen enrolled in ROTC.* Team-taught by political science and military science departments.

### **Military Science 201-202.**

BASIC SOPHOMORE MILITARY SCIENCE II

3 credits

A continuation of MS I: American Military History team-taught by members of history and military science departments; Map Reading and Compass Course; Introduction to Field Artillery, Air Defense Artillery and other branches of the Army; School of the Soldier; Exercise of Command; Guest Lectures; Field Trips. Two hours of lecture, one hour of drill; two terms.

### **Military Science 301-302.**

ADVANCED COURSE MILITARY SCIENCE III

3-6 credits

Provides basic military education and, with other college disciplines, develops individual character and attributes essential to an officer: Leadership; Military Teaching Principles; Artillery Tactics and Techniques; Infantry Tactics, Techniques, and Communications; and Pre-Camp Orientation. MS III students will exercise command.

### **Military Science 401-402.**

ADVANCED COURSE MILITARY SCIENCE IV

3-6 credits

A continuation of MS III. Develops an appreciation of command and staff responsibilities; Army Administration; Military Law; Operations; Logistics; The Role of the U. S. in World Affairs; Field Artillery Tactics and Techniques; and Service Orientation. MS IV students will exercise command. Flight training (light aviation) is available to a limited number of cadets on an extracurricular basis (70 hours).

## MUSIC

(See Fine Arts, page 53)

## PHILOSOPHY

JOSEPH C. MIHALICH, Ph.D., *Chairman*

*Professors:* Mihalich, Naughton

*Associate Professors:* Fitzgerald, Gibbons, Kerlin, Pierzchalski, Strosser

*Assistant Professors:* Allen, Fallon, Farnon, Fay, Janik, Lashchyk, Macoretta,

Phillips, Tully

*Instructors:* Kalkhof, Lowry

### **Philosophy 107.**

LOGIC

3 credits

An introduction to the science of correct thinking as reflected in the processes of definition, construction of syllogisms, and analysis of common fallacies. The course includes both traditional and modern approaches to logic.

N.B. Prerequisite for all 400 courses: Philosophy 305.

**Philosophy 206.****PHILOSOPHIES OF MAN**

3 credits

An investigation of the nature and powers of man, the origin and destiny of the human soul, and the nature of human knowledge and human freedom, with emphasis both on the Aristotelian-Thomistic approach and contemporary variations. Prerequisite: Philosophy 107.

**Philosophy 302.****PROBLEMS OF KNOWLEDGE**

3 credits

A survey of the nature and limits of human knowledge as presented by the major philosophers. *Required of all philosophy majors; open to others approved by the chairman.*

**Philosophy 305.****METAPHYSICS**

3 credits

An analysis of the broadest and most fundamental aspects of reality and knowledge as conceived by the major philosophers, including a discussion of the existence and nature of God. Prerequisite: Philosophy 206.

**Philosophy 315.****ADVANCED MORAL PHILOSOPHY**

3 credits

An inquiry into the major ethical theories that have contributed in formulating the moral conscience of the west. Students will be expected to present analytic papers on selected thinkers as well as to read and discuss the primary texts of these thinkers. *Required of all philosophy majors; open to others approved by the chairman.*

**Philosophy 400.****PHILOSOPHIES OF GOD**

3 credits

Philosophical approaches to the existence and nature of God in the writings of classical philosophers from the ancients through the contemporaries. Themes include theism, atheism, agnosticism, pantheism, and panentheism.

**Philosophy 401.****AESTHETICS**

3 credits

A consideration of the nature of art, art activity, art appreciation, and the function of art, with special reference to art history. The course seeks to provide the student with an elementary basis for forming a critical judgment with respect to art (and fine art) in general and specific works of art in particular.

**Philosophy 402.****EASTERN PHILOSOPHY**

3 credits

A comparative study of Asian thought with special emphasis on philosophies originating in India and China. Logical, metaphysical, epistemological, ethical, and political problems will be used as a framework for the study.

**Philosophy 403.****AMERICAN PHILOSOPHY**

3 credits

A study of vital American thought in three periods: New England transcendentalism; the classical group (Pierce, James, Royce, Santayana, Dewey, Whitehead); and the contemporary movements as seen in the philosophies of Perry, Hocking, Mead, Sellars, Lovejoy, and Brightman. The course will discuss American thought in its relationship to pragmatism, process philosophy, and personalism.

**Philosophy 405.****PHENOMENOLOGY AND EXISTENTIALISM****3 credits**

An approach to contemporary existentialism through the philosophies of Hegel, Kierkegaard, Nietzsche, Husserl, and Heidegger. The course will study in detail the existentialist philosophies of Sartre, Marcel, Jaspers and Unamuno, and will investigate the religious existentialism of Buber and Tillich, and the literary existentialism of Camus and Simone de Beauvoir.

**Philosophy 406.****PHILOSOPHY OF SCIENCE****3 credits**

An investigation of the relationship between philosophy and science from the standpoint of knowledge and method. The course will deal with philosophical problems common to the natural and social sciences, including the role of laws and theories in scientific explanation and prediction, the problem of induction and confirmation, and the nature and role of measurement and scaling. An historical survey will discuss the development of scientific method and the nature of scientific progress.

**Philosophy 407.****ANALYTIC PHILOSOPHY****3 credits**

A study of the basic writings of Moore, Russell, Wittgenstein, Ayer, Strawson, Austin, Ryle, and Wisdom. Topics may include: the method of linguistic analysis and its application to traditional philosophical problems; the problem of meaning and truth; the relation between language, thought, and reality; logical positivism and the faith of the verification principle; meaning and verification of statements in religious language, ethics, and metaphysics.

**Philosophy 408.****SYMBOLIC LOGIC****3 credits**

A study of the following branches of modern or symbolic logic: truth-functional logic; quantificational logic; and the logic of relations. Principles of Aristotelian logic will be evaluated, and the relationship between modern logic and Aristotelian logic will be analyzed.

**Philosophy 409.****RUSSIAN PHILOSOPHY****3 credits**

A critical examination of the dominant schools of Russian thought from the 18th century to the present, including the Slavophiles, Westernizers, Nihilists, Populists, critics of religion and culture, Marxists and Communists. Central themes are social philosophy, the nature of the individual, and the nature of history.

**Philosophy 410.****PRINCIPLES AND PROBLEMS OF ETHICS****3 credits**

An exposition of the principles governing the rightness and wrongness of human actions, along with an analysis of human happiness, the role of the natural moral law and the nature of virtue. Instruction in the application of ethical principles in the solution of problems in family, political, business, professional and international societies.

**Philosophy 413.****HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY****3 credits**

A survey of philosophy from the early Greek thinkers through the decline of Scholasticism. *Required of all philosophy majors.*

**Philosophy 414.****HISTORY OF MODERN AND CONTEMPORARY PHILOSOPHY**

3 credits

A survey of philosophy from the Renaissance period through contemporary thinkers. *Required of all philosophy majors.*

**Philosophy 425.****SEMINAR**

3 or 6 credits

A comprehensive investigation of philosophy as an integral and integrating discipline. Various staff members will lecture and lead discussions. Examination is a one hour oral comprehensive. Qualified majors (and others approved by the chairman) may elect an honors extension of the seminar (three additional credits). Requirements: maintenance of 3.75 index in philosophy, submission of an acceptable research paper done under department mentor chosen by student, and attainment of a distinguished pass in the oral examination. Successful completion merits graduation with honors in philosophy. *Required of all philosophy majors; open to others approved by chairman.*

**PHYSICS**

JOSEPH W. SIMMONS, M.S., *Chairman*  
*Associate Professors:* Guttman, Simmons  
*Assistant Professors:* Galatola, Strieb

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**Physics 111-112.****GENERAL PHYSICS I & II**

4-8 credits

For freshman physics majors. Topics considered include mechanics, special relativity, electricity, and magnetism. Prerequisites: Mathematics 106 and 216 concurrently. Three hours lecture, two hours laboratory; two terms.

**Physics 211-212.****GENERAL PHYSICS**

4-8 credits

Mechanics, heat, light, sound, electricity and magnetism, and modern physics. Prerequisite: Mathematics 106. Three hours lecture, two hours laboratory; two terms.

**Physics 213.****GENERAL PHYSICS III**

4 credits

Includes topics relative to wave phenomena and modern physics. Prerequisites: Physics 112 or 212; Mathematics 216 concurrently. Three hours lecture, two hours laboratory.

**Physics 304.****STATES, WAVES AND PHOTONS**

4 credits

A modern introduction to optics encompassing matrix representations of optical systems and polarization states of light; the Jones calculus, the Mueller calculus and the Stokes representation; states of light as eigenstates of operators, expectation values, the bracket product and probability amplitudes; an approach to scalar diffraction through Green's theorem and Fourier transforms; the electromagnetic field and its quantization. Prerequisite: Physics 309. Three hours lecture and one laboratory period.

**Physics 305.****INTRODUCTION TO ASTROPHYSICS****3 credits**

Methods for determining the basic properties of stars, such as temperatures, masses, and radii; stellar energy and structure.

**Physics 309.****PLANETARY PHYSICS****3 credits**

The solar system and its origins; interiors and atmospheres of terrestrial and giant planets, interplanetary matter and comets. Prerequisite: Mathematics 216.

**Physics 309.****ELECTRICITY AND MAGNETISM I****3 credits**

Special relativity, electrostatics, potential theory, solution of Laplace's equation, magnetostatics, Faraday's law, dielectrics, Maxwell's equations, wave equation in free space, Poynting vector. Prerequisite: Physics 311 or equivalent.

**Physics 310.****ELECTRICITY AND MAGNETISM II****3 credits**

Electromagnetic waves in wave guides and materials, electromagnetic radiation, static and dynamic electric and magnetic properties of materials. Prerequisite: Physics 309 or equivalent.

**Physics 311.****MATHEMATICAL PHYSICS I****3 credits**

Vector analysis, differential equations, introduction to partial differential equations, Fourier series and boundary value problems. Emphasis on the physical origins and applications of mathematical techniques.

**Physics 312.****MATHEMATICAL PHYSICS II****3 credits**

Complex variables and complex integration, Fourier and Laplace transforms, special function of mathematical physics and boundary value problems. Physical applications stressed.

**Physics 315.****SCIENTIFIC PROGRAMMING****3 credits**

The elements of computer programming with emphasis on the Fortran language and its scientific applications. Open to all science majors and designed to enable the student to utilize computer techniques in his own field of study. Two hours lecture, two hours laboratory.



**Physics 333.****GAMES PHYSICISTS PLAY**

3 credits

For science and non-science majors. The methods and models physicists use in attempting to understand reality. The concepts necessary to impose order on the chaos of experimental evidence. No prerequisites.

**Physics 405.****THERMAL PHYSICS**

3 credits

Topics treated include the first, second and third law of thermodynamics; kinetic theory of gases; transport phenomena; Maxwell-Boltzmann statistics; Bose-Einstein and Fermi-Dirac statistics. Three hours lecture.

**Physics 407.****ATOMIC PHYSICS**

4 credits

Lectures and problems dealing with the special theory of relativity, black body radiation, photoelectric and thermionic emission, wave-particle duality, uncertainty principle, Rutherford scattering, the Bohr-Sommerfeld atom, the Schrodinger equation and its application to the hydrogen atom. Additional topics include the interaction of radiation with matter, X-rays and the diatomic molecule. Prerequisite: Physics 311. Three hours lecture, one laboratory period.

**Physics 408.****NUCLEAR PHYSICS**

4 credits

Introductory course in nuclear physics; covers such topics as fundamental particles, properties of nuclei, radioactivity, and nuclear reactions. Prerequisite: Physics 407. Three hours lecture, two hours laboratory.

**Physics 410.****ELECTRONICS**

3 credits

An introductory course dealing with vacuum tube and transistor circuits. Prerequisite: Mathematics 217. Two hours lecture, one laboratory period.

**Physics 413-414.****MECHANICS**

3-6 credits

Topics include the single particle and systems of particles in one, two and three dimensions; rotation of a rigid body; moving coordinate systems; and the mechanics of continuous media. Lagrange's and Hamilton's equations are developed and tensor methods are introduced in their non-relativistic applications. Prerequisites: Physics 311, 312 or equivalent. Three hours lecture; two terms.

**Physics 416.****QUANTUM MECHANICS**

3 credits

An introductory course. Old quantum theory, Schrodinger equation, matrix mechanics, angular momentum, perturbation theory, symmetry properties of the wave function, quantum theory of measurement. Prerequisites: Physics 311, 312.

**Physics 419-420.****RESEARCH**

1-2 credits

Individual studies and research, presentation of papers, familiarization with the literature.

**Physics 421.****HISTORY OF SCIENCE**

2 credits

An introduction to scientific thought and scientific discoveries from the earliest times to the present. Individual work in the history of physics. Two hours lecture.

## POLITICAL SCIENCE

ROBERT J. COURTNEY, Ph.D., *Chairman*

*Professors:* Cleary, Courtney

*Associate Professor:* Nathans

*Assistant Professors:* Dillon, Hill, McGovern

*Instructor:* Foley

### **Political Science 101.**

#### SCIENCE OF GOVERNMENT

3 credits

A study of the nature of political authority, the state, its organs and their functions. *Required of all political science majors.*

### **Political Science 103.**

#### POLITICAL GEOGRAPHY

3 credits

A survey of the geographic factors influencing the real and potential economic and political development of nations. *Required of all political science majors.*

### **Political Science 201.**

#### AMERICAN FEDERAL GOVERNMENT

3 credits

An examination of the organization and functions of the federal government of the United States; a study of the separation of powers and relations with the states. *Required of all political science majors.*

### **Political Science 203.**

#### SURVEY OF POLITICAL THOUGHT

3 credits

An analysis of the major political writers from Plato to the present. Emphasis on each author's concept of the state, its function and end, and his solution to the problem of the reconciliation of the common good with individual freedom. *Required of all political science majors.*

### **Political Science 302.**

#### AMERICAN STATE GOVERNMENT

3 credits

A study of the state as a partner in the federal system; the states' constitutional development; and principles underlying state governmental organization, reorganization, and functions.

### **Political Science 303.**

#### AMERICAN CONSTITUTIONAL LAW

3 credits

An analysis of the development of the Constitution via the interpretations of the Supreme Court. Principal topics are the federal system, judicial review, separation of powers, powers of Congress and the President, the Commerce Clause, and political and civil rights.

### **Political Science 304.**

#### METHODS OF POLITICAL ANALYSIS

3 credits

Introduction to conceptual approaches to study of politics and basic statistical techniques of data analysis. Presentation of select examples of statistical analysis; e.g., voting studies, Congressional roll call behavior. Recommended for students interested in graduate school and public administration.

### **Political Science 305.**

#### PUBLIC ADMINISTRATION

3 credits

Analysis of the role, internal characteristics, and political activity of U.S. administrative agencies; methods and effectiveness of political control by legislative and executive bodies. Relation of administrative agencies to democratic political theory, especially in the urban context.



- Political Science 401.**  
UNITED STATES FOREIGN RELATIONS 3 credits  
The historical development of United States diplomacy and foreign policy from the period of the Revolution to 1914.
- Political Science 402.**  
UNITED STATES FOREIGN RELATIONS 3 credits  
A continuation of Political Science 401, from 1914 to the present.
- Political Science 405.**  
MUNICIPAL GOVERNMENT 3 credits  
A study of the organization and functions of government at the municipal level and an analysis of trends and types of municipal governments.
- Political Science 406.**  
COMPARATIVE GOVERNMENT: EUROPEAN 3 credits  
A comparative analysis of the constitutional principles and governmental organizations of England, U.S.S.R., and France.
- Political Science 407.**  
INTERNATIONAL RELATIONS 3 credits  
An analysis of the basic patterns and major factors underlying international politics. Consideration to current international problems.
- Political Science 408.**  
COMPARATIVE GOVERNMENT: SOUTH AMERICAN 3 credits  
A comparative analysis of the constitutional principles and governmental organization of Argentina, Brazil, and Chile.
- Political Science 409.**  
AMERICAN POLITICAL PARTIES 3 credits  
A view of the political problems of the United States as revealed in the major and minor political parties that have arisen during the country's history.
- Political Science 413.**  
NON-WESTERN POLITICAL SYSTEMS 3 credits  
A study of the governmental institutions and political processes of India and Pakistan. Particular emphasis will be given to factors contributing to development of democratic and non-democratic systems.
- Political Science 414.**  
NON-WESTERN POLITICAL SYSTEMS 3 credits  
A study of the governmental institutions and political processes of the People's Republic of China and Japan. Particular emphasis to problems of development and modernization.
- Political Science 415.**  
SEMINAR I 3 credits  
A study of methods of research and scholarly writing. Directed research and reports on individual assignments. *Required of all political science majors.*
- Political Science 416.**  
SEMINAR II 3 credits  
Supervised research and writing on major topic. Weekly presentation and group discussion of individual papers. Submission of written thesis. *Required of all political science majors.*

## PSYCHOLOGY

JOHN J. ROONEY, Ph.D., *Chairman*

*Professors: Dondero, Grimes, McCarthy, Rooney*

*Associate Professors: Brooks, Filicetti, Kovatch, Pfeiffer, Schreiner, Smith*

*Assistant Professors: Ashcraft, Bernier, Gilligan, Pritchard, Schrader*

*Instructor: Bagne*

*Lecturers: Mitchell, Platt*

### **Psychology 101.**

#### **GENERAL PSYCHOLOGY I**

**3 credits**

Introduction to the scientific study of human behavior. Emphasis on methods of psychological research and principles and theories developing from this research.

### **Psychology 201.**

#### **GENERAL PSYCHOLOGY II**

**3 credits**

A continuation of Psychology 101. For students who plan to major in psychology and for other students who desire a more intensive coverage of the principles and theories of psychology than is possible in the first course.

### **Psychology 212.**

#### **STATISTICS I**

**3 credits**

An introduction to statistics, emphasizing such descriptive measures as central tendency, variability and correlation. Prerequisite: Mathematics 103-106 or equivalent with permission.

### **Psychology 213.**

#### **STATISTICS II**

**3 credits**

An intermediate course in inferential statistics, emphasizing such techniques as the analysis of variance and t-tests. Prerequisite: Statistics I or equivalent.

### **Psychology 303.**

#### **EDUCATIONAL PSYCHOLOGY**

**3 credits**

Identical with Education 302. See page 47.

### **Psychology 311.**

#### **DEVELOPMENTAL PSYCHOLOGY**

**3 credits**

A general study of the development of behavior and the human personality from conception through adulthood; special emphasis on childhood and adolescence.

### **Psychology 314.**

#### **THEORIES OF PERSONALITY**

**3 credits**

A systematic study of the principal theories of personality with particular emphasis on recent trends, research methodology, and personality measurement. Prerequisite: Psychology 201.

### **Psychology 315.**

#### **ABNORMAL PSYCHOLOGY**

**3 credits**

An introductory course surveying the principal forms of the major and minor mental disorders, with emphasis on the causes, symptoms, course and treatment. An analysis of the over-all problem of mental illness and a study of certain borderline personality and behavioral patterns and other forms of psychological deviation. Prerequisite: Psychology 324 or permission.

N.B. General Psychology 101 is a prerequisite for all other psychology courses (with the exception of Psychology 212). With the permission of the instructor in a particular course this prerequisite may be waived.

**Psychology 316.****TESTS AND MEASUREMENTS**

3 credits

The selection, administration and interpretation of psychological tests used in the measurement of aptitudes, achievement, interest and personality. Prerequisite: Psychology 212 or equivalent.

**Psychology 319.****EXPERIMENTAL PSYCHOLOGY I**

4 credits

A laboratory course designed to introduce the student to the classical psychological experiments and to train him in the methods of experimental design and research. Experiments on the sensory processes, perception, learning, memory, thought processes and emotions. Prerequisites: Psychology 201 and 213 or permission. Three hours lecture, two hours laboratory.

**Psychology 320.****EXPERIMENTAL PSYCHOLOGY II**

4 credits

Lectures and discussions on modern experimental psychology. For laboratory work, the student plans, designs, and performs an original research experiment. Prerequisite: Psychology 319. Three hours lecture, two hours laboratory.

**Psychology 322.****READINGS IN PSYCHOLOGY**

3 credits

Readings consist of basic books and periodicals having relevance for the broad field of psychology; assignments discussed in seminar fashion at one two-hour meeting weekly. Prerequisite: Psychology 201.

**Psychology 324.****PERSONALITY DYNAMICS AND ADJUSTMENT**

3 credits

An analysis of the human system, the dynamics of individual behavior, and a consideration of resources necessary for effective living as they are related to a better understanding of personal adjustments in healthy persons developing toward maturity.

**Psychology 330-331.****SPECIAL TOPICS IN PSYCHOLOGY**

3-6 credits

Content will vary each year to present the psychological underpinnings of issues on the contemporary American scene. Such topics as the psychology of drug use, of prejudice, of mob action, of attitude change, and of religion will be treated in various semesters.

**Psychology 417.****INDUSTRIAL AND BUSINESS PSYCHOLOGY**

3 credits

A study of those psychological principles, methods and techniques which are especially relevant to an understanding of human relations and efficiency in business and industry.

**Psychology 422.****SOCIAL PSYCHOLOGY**

3 credits

A study of the facts and theories dealing with the phenomena of social behavior. Focuses on individual behavior as it affects and is affected by the behavior of others.

**Psychology 423.****SEMINAR I****3 credits**

Readings, discussion, and analysis of contemporary psychological theories and research; individual student research and presentation of paper. Prerequisite: Psychology 201 or permission of the chairman.

**Psychology 424.****SEMINAR II****3 credits**

A continuation of Psychology 423 with primary focus on topics judged by students and faculty to be particularly relevant for present day psychology majors. Prerequisite: Psychology 423 or permission of the chairman.

**Psychology 425-426.****PSYCHOLOGICAL RESEARCH****3-6 credits**

Designed to integrate and apply the student's knowledge of scientific psychology, scientific methods, laboratory and statistical techniques, and the field of research literature in the solution of a specific problem. Requires completion of a research project under the direction of a staff member. Prerequisite: Psychology 320. One or two terms.

**Psychology 453.****THEORIES OF LEARNING****3 credits**

An analysis of the principal theories of learning in the light of recent experiments in animal and human learning. Prerequisite: Psychology 201.

**Psychology 455.****COUNSELING THEORIES AND PRINCIPLES****3 credits**

Theories and principles of the counseling process. The dynamics of human change. The objectives, work, and continuing problems of counseling. Prerequisite: Psychology 101 or equivalent.

## **SOCIOLOGY**

**RICHARD C. LEONARD, Ph.D.,** *Chairman*

*Associate Professors:* Coffee, J. F. Connors, Leonard

*Assistant Professors:* J. T. Connors, Hornum

*Instructors:* Bird, Blankertz

Students who major in sociology have the choice of two additional areas of concentration: criminal justice and social work.

The minimum requirement for a sociology major, including social work and criminal justice concentrations, is 29 semester hours in sociology. The general sociology major is required to take Sociology 101, 313, 314, 407, 408, 426, and three sociology electives.

Students planning a career in social work are required to take the following courses: Sociology 101, 304, 306, 313-314, 412-414, 416, 426.

Courses also recommended: Psychology 311, 324, 422, 455.

Students planning a career in the criminal justice field are required to take the following courses: Sociology 101, 313-314, 416, 426, 427-428, 429-430.

Courses also recommended: Psychology 315, 324, 422, 455.

### **SECTION A: SURVEY COURSES**

**Sociology 101.****PRINCIPLES OF SOCIOLOGY****3 credits**

The role of society and culture in determining human behavior.

**Sociology 103.**  
SOCIAL DISORGANIZATION 3 credits

A study of current maladjustments in urban and rural human relationships and of the agencies designed to assist groups and individuals concerned.

**Sociology 304.**  
MARRIAGE AND THE FAMILY 3 credits

Mate selection, marriage, and child-rearing in a changing world.

**Sociology 306.**  
MINORITY GROUPS 3 credits

Examination of the racial and ethnic groups that compose American society. Emphasis on the processes involved in social change in intergroup relations.

**Sociology 416.**  
CRIMINOLOGY 3 credits

A consideration of the causes of crime, the treatment of criminals, and the machinery of justice.

**Sociology 418.**  
CULTURAL ANTHROPOLOGY 3 credits

A cross-cultural study of the influence of culture in explaining human behavior in primitive and modern societies.

**Sociology 420.**  
INDUSTRIAL SOCIOLOGY 3 credits

An examination of human relationships and social processes in occupational groups.

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## **SECTION B: SPECIALIZED COURSES**

**Sociology 308.**  
THE CITY AND SOCIAL CHANGE 3 credits

A study of the rate and significance of urbanization in the United States and the world, with particular attention to the housing, planning, and redevelopment movements.

**Sociology 309.**  
POPULATION 3 credits

Trends and differentials in fertility, mortality, migration and urbanization and national increase as these relate to levels of living in the world.

**Sociology 313-314.**  
SOCIAL STATISTICS 3-6 credits

A general introduction to the mathematical techniques of statistics, with special emphasis on interpretation and application to sociology.

**Sociology/Economics 320.**  
INTRODUCTION TO URBAN STUDIES 3 credits

An introduction to the varied disciplinary approaches used by social scientists in their investigation of the urban scene. Study and discussions of the literature on urban affairs. Independent research projects on surrounding neighborhood area. Co-taught by sociology and economics departments. Prerequisites: 6 hours of social science. Identical with Economics 320.

**Sociology/Economics 321.****SEMINAR IN URBAN STUDIES****3 credits**

Intensive analysis of the city as a system of interrelated variables and institutional sub-systems. Stresses current policies and practices in the social and economic options available to various urban interest groups. Independent research projects on the Philadelphia region. Co-taught by economics and sociology departments. Prerequisites: 6 hours of social science. Identical with Economics 321.

**Sociology 404.****THE SOCIOLOGY OF RELIGION****3 credits**

A study of religion as a basic social institution and of its relationships with the political, economic, and stratification systems of society and with social change.

**Sociology 407-408.****INTRODUCTION TO SOCIAL RESEARCH****4-8 credits**

Individuals or groups are guided in planning and completing a project utilizing several social science research techniques.

**Sociology 412-414.****INTRODUCTION TO SOCIAL WORK****4-8 credits**

An elementary interpretation of social case work in various settings, social group work, community organization, and research in the profession of social work. Two hours in class and a minimum of four hours in a welfare agency each week. If agency placement is not desired, credit is given for class sessions only. Two terms.

**Sociology 422.****SOCIAL PSYCHOLOGY****3 credits**

Identical with Psychology 422. See page 81.

**Sociology 426.****SOCIOLOGICAL THEORY****3 credits**

A survey of the results of theory-making from the genetic point of view. Emphasis will be given to theorists who have had the most influence in American sociology.

**Sociology 427-428.****SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION****3-6 credits**

The theory and practice of law enforcement, judicial, and correctional agencies. Prevention and treatment programs are critically examined through class discussions, individual projects, visits to agencies and institutions, and participation of experts in the correctional field.

**Sociology 429-430.****FIELD SEMINAR IN CRIMINAL JUSTICE****4-8 credits**

An interpretation of the correctional process through field placement in law enforcement, judicial, and correctional agencies and class sessions in the theory and practice of corrections.

**Sociology 480.****INDEPENDENT STUDIES****3 credits**

Intensive individual study of a selected sociological area under the supervision of a faculty member. Emphasis given to the reading of basic sociological literature in the selected area and the completion of a term project.

## SPEECH AND DRAMA

(See English, page 48.)

### THEOLOGY

WILLIAM J. MARTIN, F.S.C., S.T.D., *Chairman*

*Professor: Gimborn*

*Associate Professors: Davis, Martin, Schepers*

*Assistant Professors: Efroymson, Halligan, Kramer, Tuppeny, Van Everbroeck, White*

*Instructors: Biechler, Rutherford*

*Lecturer: Frank*

*All students are currently required to take nine hours in theology. Freshmen have an option from Area A, sophomores from Area B, and juniors from Area C. Juniors and seniors enrolled in the honors program and others having the permission of the chairman will be admitted to the 400 courses.*

#### AREA A: INTRODUCTORY STUDIES

##### **Theology 117.**

##### **SACRED SCRIPTURE**

3 credits

An introduction to contemporary biblical studies through an analysis of selected books of the Old and New Testaments with focus on the unifying themes and the theological thought they contain.

##### **Theology 150.**

##### **INTRODUCTION TO RELIGION**

3 credits

Religion as a human enterprise. Its personal and social dimension. Commitment as fundamental to religion. Theology as understanding the commitment. Religion and Revelation. The contemporary religious scene.

#### AREA B: DOCTRINAL STUDIES

##### **Theology 240.**

##### **THEOLOGY OF FAITH**

3 credits

A study of the major dimensions of faith: Scripture, Church Fathers, Thomas Aquinas, Luther, Trent, Kant, Vatican I, Schleiermacher, Kierkegaard, Buber, Barth, Tillich, Bonhoeffer, Bultmann, Marcel, Mouroux, Vatican II. (Not offered 1971-72.)

##### **Theology 250.**

##### **THEOLOGY OF THE CHURCH**

3 credits

A study of the nature, function, and goals of the Church, especially in the light of Vatican II. The roles of the hierarchy and of the laity and their relationship within the Church as well as with the total human family will be examined. Specifically, questions concerning authority, Church structures, lay participation, and the impact of the Church on the lives of its members will be treated.

##### **Theology 260.**

##### **STUDIES IN JESUS OF NAZARETH, THE CHRISTIAN MESSIAH**

3 credits

Recent discussions of the historical verifiability of the acts of Jesus as described in the Gospels; the community's belief in Jesus as producing the Christian dogmas on Christ; the Christological controversies of the first five centuries; contemporary views of Jesus' actions as redemptive for mankind.

**Theology 270.****THEOLOGY OF SACRAMENTS AND WORSHIP****3 credits**

A study of human personal relationship; religion as personal relationship of man with God; Christ as sacrament of personal encounter with God; the Church as sacrament of personal encounter with the Risen Christ.

*Non-Catholic students have the following additional options in the sophomore year: English 433, Philosophy 400, History 371, or History 372.*

**AREA C: MORAL THEOLOGY, ECUMENICAL STUDIES, SPECIAL STUDIES****Theology 350.****CONTEMPORARY MORAL THEOLOGY****3 credits**

The nature of faith as an essential facet of the mature personality; an examination and discussion in the light of modern discoveries of some selected problems contemporary man faces, particularly regarding free will, sex, love, and the historicity of man.

**Theology 360.****CHRISTIAN MARRIAGE IN THE MODERN WORLD****3 credits**

Staffed by a theologian, a psychologist, and a sociologist. Theologically, the course will consider the sacramentality of marriage. The psychological aspect will be concerned with marriage as a means of human fulfillment. The sociological perspective will present an understanding of the modern American family.

**Theology 370.****INTRODUCTION TO WORLD RELIGIONS****3 credits**

A survey of the living religions of the world, particularly those outside the Judeo-Christian tradition. The sacred literature, the historical origin and development, and especially the authentic religious experience of the Hindu, Buddhist, Confucian, Taoist, and Islamic traditions discussed.

**Theology 375.****THE DEVELOPMENT OF JEWISH RELIGIOUS THOUGHT****3 credits**

An extensive survey of the Jewish religion, including discussion and analysis of Jewish theology, religious practices, ritual, and customs, treated in the light of other great religions of the world.

**Theology 380.****SURVEY OF PROTESTANT THEOLOGY****3 credits**

An introduction to Protestant thought: the central ideas of the Reformation; their development in the context of European and American history to produce world Protestantism; a study of theological trends today, as represented in the major Protestant confessions and the thought of the most influential thinkers: Tillich, Barth, Bultmann, et al.

**History 371-372.****DIVIDED CHRISTENDOM****3-6 credits**

See p. 69 of the history section for a description of these courses. Either course may be taken as a core requirement in Area C. (Not offered 1971-72.)

*Non-Catholic students have the following additional options in junior year: English 433, Philosophy 400, or Philosophy 410.*



## AREA D: COURSES FOR THEOLOGY MAJORS

### **Theology 421.**

#### THE GOSPELS

3 credits

The formation of the Synoptic Gospels: a form-critical approach; quest for the historical Jesus; infancy narratives and the passion account. Other selected problems in the synoptic accounts. Fall term. Prerequisite: Theology 117 or equivalent.

### **Theology 431-432.**

#### SURVEY OF CHRISTIAN THEOLOGY

3-6 credits

Fall term: varieties of Christian theologies; theological method and development of doctrine; the language of theology; natural theologies—old and new styles. Spring term: Trinitarian theologies; theology of creation and sin; the Holy Spirit and Salvation; Christian eschatology; theology of prayer and worship. (Theology 431 is a prerequisite for 432.)

### **Theology 450.**

#### SPECIAL TOPICS IN THEOLOGY

3 credits

Content of the course will be announced annually. May be repeated for credit. (Not offered 1971-72.)

### **Theology 460.**

#### AMERICAN RELIGIOUS THOUGHT

3 credits

Historical and theological study of the Roman Catholic Church and the Protestant churches in the U. S. from the American Revolution to the present. (Not offered 1971-72.)

### **Theology 471.**

#### ORIENTAL RELIGIOUS CLASSICS

3 credits

Analysis and comparison through group discussion of selected Great Books of the religious traditions of India and China. Prerequisite: Theology 370 or Philosophy 402 or an equivalent course. (Not offered 1971-72.)

### **Theology 485.**

#### SEMINAR

3 credits

An introduction to scholarly research and theological method through the selection, writing, and small group presentation of formal papers in a specific area determined by the instructor. Spring term.



# **School of Business Administration**

The School of Business Administration offers a four year undergraduate program for men and women leading to the Bachelor of Science degree. Established as a separate division of La Salle College in 1955 in order to offer an increased variety of programs to students, the School of Business has long pursued a concept of business education which prepares students for business leadership.

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The School recognizes that there is no single skill that marks a good business manager. Accordingly, the program is structured to provide: (1) a solid foundation in the arts and sciences as background for professional study in business administration; (2) a core of business subjects to acquaint the student with the major functions of business; and (3) an opportunity to concentrate in depth in one or more of the major functional areas. The program is professional in nature and is intended to provide competency in business management.

## **DEGREE PROGRAM**

The program leading to a Bachelor of Science degree in Business Administration consists of 120 credits, about half of which are in business and economics. Professional options are available in accounting, finance, industrial management, industrial relations, marketing and quantitative analysis. Special options may be planned to meet individual needs. With the exception of the accounting option, no more than 54 credits nor fewer than 45 may be in business administration and economics (excluding Ec. 111, 112).

## **CURRICULUM**

A college-wide revision of curriculum becomes effective in September, 1972. A major updating of the curriculum of the School of Business has already been completed and is being integrated with the revised general education and distribution requirements of the College.

The new curriculum for Business Administration students has five parts:

1. General Education—7 courses (21 credits)
2. Distribution Requirement—9 courses (27 credits)
3. Business Core—10 courses (30 credits)
4. Professional Studies—4 courses (12 credits)
5. Electives—
  - Business and Economics electives, 4 courses (12 credits)
  - Free electives, 6 courses (18 credits)

### General Education

These studies are aimed at providing an enduring base for personal development and an awareness of moral values and social responsibility. Normally these courses will be completed by the end of the sophomore year. They include:

English Composition	1 semester	(May be waived if writing competence is established.)
Literature	2 semesters	(English or foreign, in original or translations.)
Philosophy	2 semesters	
Theology	2 semesters	

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### Distribution Requirement

This requirement assures a measure of balance in the liberal arts background outside of the major field while at the same time permitting an element of flexibility so that each student may tailor his program to some degree to fit his interests and needs. The Distribution Requirement is normally completed by the end of junior year. N.B. Certain courses within Areas II and IV must be selected by all students in the School of Business Administration.

Business Administration students may choose two courses from two of the three areas: Area I, III, or V.

Area I	Area II	Area III	Area IV	Area V
English	Foreign Languages	Theology	Economics <sup>2</sup>	Biology
History	Mathematics <sup>1</sup>	Philosophy	Pol. Science	Chemistry
		Fine Arts	Sociology	Earth Science
		(Music or Art)	Psychology	Physics

<sup>1</sup> Business students must take Mathematics 101, 102 or two advanced courses. They must also take Mathematics 121, Introduction to Computer Sciences, or equivalent.

<sup>2</sup> Economics 111, 112 is required of Business students.

### Business Core

Course work consists of study in the several areas of business practice and in analytical methods and techniques. This foundation is intended to develop a broad understanding of business problems. The following courses constitute the core:

Functional Activities: Accounting 101, 102; Finance 230, 231; Management 240; Marketing 260; Administration 290.

Analytical Techniques: Quantitative Analysis 270; Administration 322; Management 241.

### Professional Studies

These courses provide an intensive learning experience in one facet of business practice and serve as a basis for future career development. Professional options are offered in:

Accounting

Finance

Industrial Management

Industrial Relations

Marketing

Quantitative Analysis

#### Special Options

The professional option consists of 12 credits in a functional area beyond the courses required in the Business core. An exception to the 12 credit requirement is the Accounting option, for which a set of course requirements has been established as necessary preparation for the Certified Public Accounting examination in Pennsylvania.

You may choose your professional option when you apply for admission or at some time during your first two years of college. If you wish to choose a Special Option, you must obtain the Dean's approval of your program.

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### Electives

Business and Economics Electives—Up to 12 credits may be taken as electives in business administration and economics toward the 120 credits needed for graduation. These credits may also be used to take courses in the School of Arts and Sciences with the approval of the Dean, subject to the required minimum of 45 credits in business administration and economics (excluding Economics 111, 112). Six credits of the 12 required in the junior and senior ROTC program are approved as appropriate substitutions for business and economics electives.

Free Electives—You may use your six free electives in whatever way you choose, either grouping them to build a strong minor or using them to diversify your background or broaden your interests.



## GENERAL ADMINISTRATION

### **Administration 290.**

#### **LAW OF CONTRACTS**

3 credits

Introduces the students to the more common rules and principles governing business transactions; the rights and duties of individuals resulting from contractual and quasi-contractual obligations. Prerequisite: sophomore standing. Both terms.

### **Administration 322.**

#### **MANAGERIAL ECONOMICS**

3 credits

Forms of competitive behavior, uses of marginal cost analysis, pricing techniques, and profit and demand measurement and forecasting are explored. Major effort is devoted to the process of evaluating alternative business solutions and tentatively formulating policies. Prerequisites: Mathematics 101, 102 and junior standing. Both terms.

### **Administration 323.**

#### **COMMUNICATIONS**

3 credits

Situations are contrived to encourage and stimulate the student to communicate his thoughts as accurately and promptly as possible. Prerequisite: junior standing. Both terms.

### **Administration 324.**

#### **INSURANCE PRINCIPLES**

3 credits

A survey of the underlying principles, practices, and legal aspects of life, fire, marine, fidelity and corporate surety, employer's liability, title and credit insurance. Prerequisite: junior standing. Fall term.

### **Administration 325.**

#### **LIFE INSURANCE**

3 credits

Analysis of life insurance contracts; fundamental legal concept; rate making; construction of mortality tables and reserves; insured pension funds; tax and estate planning. Prerequisite: junior standing. Spring term.

### **Administration 391.**

#### **LAW OF AGENCY, PARTNERSHIPS AND CORPORATIONS**

3 credits

Common and statute laws relating to the creation, operation and termination of agencies, partnerships and corporations. Emphasis on the Common Law of Agency, the Uniform Partnership Act and the Business Corporation Law of Pennsylvania. Prerequisite: Administration 290. Fall term.

### **Administration 392.**

#### **LAW OF SALES AND SALES FINANCING**

3 credits

Common and statute laws relating to the sale, purchase, transfer and bailment of personal property. Emphasis on the Uniform Commercial Code relative to sales, sales financing and secured transactions. Includes the legal relationship of bailor and bailee, shippers and common carriers. Prerequisite: Administration 290. Fall term.

**Administration 393.****LAW OF REAL ESTATE**

3 credits

Common and statute law of court process which the real estate salesman and broker encounter daily, including the legal principles applicable to the listing contract, the agreement of sale, mortgages, deeds, leases, adverse possession, easements, licenses, proving and recording title. Prerequisite: junior standing. Spring term.

**Administration 394.****LAW OF NEGOTIABLE INSTRUMENTS**

3 credits

Application of the common law of the Uniform Commercial Code to checks, promissory notes and bills of exchange. The use of commercial paper in security transactions and in the creation of credit. The laws of principal and surety, and insurer and insured as related to the use of commercial paper. Prerequisite: junior standing. Spring term.

**Administration 395.****LEGAL ENVIRONMENT OF BUSINESS**

3 credits

A study of the politico-legal framework within which business operates. The nature, formation and application of law to business; the historical development and present constraints upon decision-making; the interface of business and the whole of its legal settings. Legal procedure, judicial, legislative and administrative law considered in perspective. Prerequisite: junior standing. Both terms.

**Administration 421.****BUSINESS ETHICS**

3 credits

The ethical dimensions of the economy, management decision making, and governmental regulation of business and of employee behavior. Ethical concepts of business practices applied and evaluated in their legal environment. Prerequisite: senior standing. Spring term.

**Administration 598-599.****READINGS AND RESEARCH IN BUSINESS**

1-3 credits

Prerequisites: senior standing and approval of dean. Both terms.

**ACCOUNTING**

JOSEPH MARKMANN, C.P.A., *Chairman*

*Associate Professors:* DeAngelis, Guerin, Kaiser, Markmann, Sweeney

*Assistant Professors:* Hanratty, Reardon

*Instructor:* Arcuri

For the Professional Option in Accounting, the following courses are required beyond the introductory accounting courses required of all students:

Accounting Theory I and II, Cost Accounting, Auditing, Advanced Accounting Theory I, Advanced Accounting Theory II, Income Taxes, Seminar.

The following courses in accounting may be taken as electives:

Cost Accounting (for non-Accounting majors), Management Information Systems, Advanced Cost Accounting, Financial Statement Analysis.

**Accounting 101.****PRINCIPLES OF ACCOUNTING**

3 credits

Training in the fundamental principles of recording business transactions, including a study of the presentation and interpretation of the financial data of a single proprietorship, partnership and corporation. Both terms.

**Accounting 102.****MANAGERIAL ACCOUNTING**

3 credits

The relationship between understanding accounting procedures and using accounting data effectively; the interrelationships between financial statements and the methods of accumulating data for these statements and how the particular accounting methods used influence business decisions. Problems include depreciation methods, inventory valuation, alternative methods of obtaining capital and the measurement and control of costs within the corporate entity. Prerequisite: Accounting 101. Spring term.

**Accounting 201.****ACCOUNTING THEORY I**

3 credits

Application of current accounting principles and procedures to such problems as balance sheet evaluation, profit determination, equity presentation, flow of working capital, depreciation of tangibles and intangibles, application of funds and comparative statement presentation. Prerequisite: Accounting 102 and sophomore standing. Fall term.

**Accounting 202.****ACCOUNTING THEORY II**

3 credits

Continuation of Accounting 201. Prerequisites: Accounting 201 and sophomore standing. Spring term.

**Accounting 303.****COST ACCOUNTING**

3 credits

The place of cost accounting in modern enterprise; control of material; control of labor; distribution of factory overhead expense; consideration of forms used in "job" and "process" cost systems. Trends in cost accounting based on predetermined standards; problems in preparation and application of budgets and managerial reports. Prerequisite: Accounting 102. Should be taken in junior year by accounting majors. Fall term.



**Accounting 304.****AUDITING**

3 credits

A practical presentation of modern audit practices, emphasizing the principles and objectives of an audit. Analysis of the audit basis, the best standards, objective reporting, the adoption of improved accounting standards, business controls, professional ethics and legal liability. Prerequisite: Accounting 202. Spring term.

**Accounting 308.****MANAGEMENT INFORMATION SYSTEMS**

3 credits

Principles and problems of systems design. Identification, evaluation and modification of information flows in organizations; internal control procedures, systems for the operating functions of business. Prerequisites: Accounting 102 and a course in computers. Both terms.

**Accounting 309.****COST ACCOUNTING**

3 credits

Similar to Accounting 303, but intended for students not majoring in Accounting. (302). Prerequisite: Accounting 102. Both terms.

**Accounting 310.****FINANCIAL STATEMENT ANALYSIS**

3 credits

Comparative analyses by percentages, ratios, trends, graphic reports and projections applicable to the balance sheet and income statement. Structure and meaning of accounts and peripheral statements such as application of funds and breakeven analysis. (306). Prerequisites: Accounting 102 and junior standing. Both terms.

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**Accounting 405.****ADVANCED ACCOUNTING THEORY AND PROBLEMS I**

3 credits

A detailed study of home office and branch accounting; correction of financial statements; partnership adjustments and liquidations; mergers and the preparation of consolidated financial statements; insolvency in connection with realization and liquidations. Prerequisite: senior standing. Fall term.

**Accounting 406.****ADVANCED ACCOUNTING THEORY AND PROBLEMS II**

3 credits

Continuation of Accounting 405. Prerequisite: senior standing. Spring term.

**Accounting 407.****INCOME TAXES**

3 credits

Training in application of basic principles to the solution of tax problems; individual income tax returns, inclusions, exclusions and capital gain or loss applicable thereto; pay-as-you-go tax collection system; partnership, corporation and fiduciary income tax returns; social security, estate and gift taxes. Both terms.

**Accounting 411.****ADVANCED COST ACCOUNTING**

3 credits

Use of cost accounting data in the planning and control functions, including capital budgeting, segmental profit reporting and non-manufacturing cost and analysis. Prerequisite: Accounting 303. Spring term.

**Accounting 512.****ACCOUNTING SEMINAR**

3 credits

Research in selected topics of accounting theory. Prerequisite: senior standing. Both terms.

## FINANCE

MELVIN F. WOODS, M.A., *Chairman*  
*Associate Professor: Woods*  
*Instructors: Buch, Copeland, O'Meara*

The Professional Option in Finance consists of four courses selected from the courses listed below in addition to Principles of Finance and Corporation Finance required of all students.

### Concentration:

Introduction to Investments and Securities Markets  
Investment Analysis and Portfolio Management

### Two of the following:

Advanced Corporate Finance  
Financial Administration  
Financial Statement Analysis  
Public Finance  
Seminar in Finance

### Finance 230.

#### PRINCIPLES OF FINANCE

3 credits

An investigation of the nature and concepts of money and credit; the financial structure of the United States and the sources of credit; effects of Federal Reserve and U.S. Treasury actions on financial institutions. Both terms.

### Finance 231.

#### CORPORATION FINANCE

3 credits

A survey of the field of corporation finance, analyzing the corporation from its promotion through the determination of its capitalization and capital structure, and decisions as to the alternate sources of funds. Both terms.

### Finance 310.

#### FINANCIAL STATEMENT ANALYSIS

3 credits

Comparative analyses by percentages, ratios, trends, graphic reports and projections applicable to the balance sheet and income statement. Structure and meaning of accounts and peripheral statements such as application of funds and breakeven analysis. Same as Accounting 310. Prerequisites: Accounting 102 and junior standing. Both terms.

### Finance 332.

#### INTRODUCTION TO INVESTMENTS AND SECURITIES MARKETS

3 credits

A study of the stock market, its trading operations and regulations. Development of investment policies for personal programs as compared to institutional uses of funds. Prerequisite: Finance 230. Both terms.

### Finance 333.

#### INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT

3 credits

Development of fundamental techniques of security analysis in order to determine investment characteristics and evaluate existing holdings of securities. Prerequisites: Finance 231, 332. Spring term.

**Finance 404.**  
**PUBLIC FINANCE**

3 credits

An analysis of the revenue of expenditure activities of government with particular emphasis on the rationale of this government activity, the method of financing, and the effects of fiscal policy on allocation, distribution, efficiency, equity and stability in the economy. Same as Economics 404. Prerequisites: Economics 111, 112. Spring term.

**Finance 434.**  
**ADVANCED CORPORATION FINANCE**

3 credits

An analysis of the financial theory of the firm, including financial planning and control, budgeting, measurement of profitability and risk and the cost of capital. Prerequisite: Finance 231. Fall term.

**Finance 435.**  
**FINANCIAL ADMINISTRATION**

3 credits

Analysis of policies, practices and operating results of financial institutions, especially commercial banks. Comparative study of banking systems and current trends in the banking field. Prerequisite: Finance 230. Fall term.

**Finance 539.**  
**SEMINAR IN FINANCE**

3 credits

Selected topics in the area of finance studied in depth under the direction of staff. Prerequisite: senior standing. Spring term.

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## **INDUSTRIAL MANAGEMENT**

BERNARD B. GOLDNER, Ph.D., *Chairman*  
*Professors:* Goldner, Halpin  
*Associate Professor:* MacLeod  
*Assistant Professor:* Blum  
*Instructor:* Westerman

The Professional Option in Industrial Management consists of four courses selected from those following in addition to Production Management and Organizational Theory required of all students.

**Concentration:**

Production Organization and Control

Three of the following (one from each of group of two):

Labor Problems in America

Personnel Administration

Creative Thinking and Decision Making

Business Policy

Field Participation

Seminar in Industry

**Management 240.**  
**MANAGEMENT OF PRODUCTION**

3 credits

Planning, scheduling, inventory control, plant layout, plant location, work methods, personnel motivation and productivity measurement. Prerequisite: sophomore standing. Both terms.

**Management 241.****ORGANIZATIONAL THEORY****3 credits**

Theories of administration and organization from the bureaucratic, motivational, and cognitive aspects. Emphasis on critical analysis, comparing and contrasting differing viewpoints for solving the manager's problems. Prerequisite: sophomore standing. Both terms.

**Management 342.****PRODUCTION ORGANIZATION AND CONTROL****3 credits**

Production planning and control, including organizational and original planning, intermittent and continuous manufacturing, visual controls, PERT, computers and automation. Prerequisites: Management 240 and junior standing. Both terms.

**Management 343.****LABOR PROBLEMS IN AMERICA****3 credits**

Sources of the union movement, its history, structure, and functions. Development of economic, political and social power, problems involved in the use of this power; management rights and management reaction to unions. Prerequisite: junior standing. Both terms.

**Management 344.****PERSONNEL ADMINISTRATION****3 credits**

Designed to train students to analyze existing programs, to adapt procedures, and to develop original methods which will insure efficient personnel administration. Job analysis, selection, promotion and transfer, attitudes and morale, health and safety. Prerequisite: junior standing. Both terms.

**Management 445.****CREATIVE THINKING AND DECISION MAKING****3 credits**

Principles and techniques of how to think creatively; creative exercises. Complex cases for realistic decision-making analyzed and evaluated in writing. Comprehensive reports required. Prerequisite: senior standing. Both terms.

**Management 546.****BUSINESS POLICY****3 credits**

Intended as a capstone course in business administration. Integration of backgrounds acquired from accounting, finance, production, personnel, and marketing. Management problems and their implications; analysis and discussion of actual or simulated situations. Prerequisite: senior standing. Both terms.

**Management 547.****FIELD PARTICIPATION****3 credits**

Class discussion and written reports based on observation of modern industrial methods as applied by companies in the Philadelphia area. A comprehensive report on each plant visited required weekly. Prerequisite: senior standing. Spring term.

**Management 548.****SEMINAR IN MANAGEMENT****3 credits**

Class discussion and analysis of management development and current problem areas. Prerequisites: senior standing and authorization of chairman. Fall term.

## INDUSTRIAL RELATIONS

CHARLES A. J. HALPIN, JR., M.A., LL.B.

*Professor: Halpin*

The Professional Option in Industrial Relations consists of four of the following courses:

Concentration:

- Labor Problems in America
- Personnel Administration
- Collective Bargaining

One of the following:

- Wages and Labor Markets
- Labor Legislation
- International Labor-Management Relations

### **Relations 343.**

#### **LABOR PROBLEMS IN AMERICA**

3 credits

Sources of the union movement, its history, structure, and functions. Development of economic, political and social power; problems involved in the use of this power; management rights and management reaction to unions. Identical with Management 343. Prerequisite: junior standing. Both terms.

### **Relations 344.**

#### **PERSONNEL ADMINISTRATION**

3 credits

Designed to train students to analyze existing programs, to adapt procedures and to develop original methods which will insure efficient personnel administration. Job analysis, selection, promotion and transfer, attitudes and morale, health and safety. Identical with Management 344. Prerequisite: junior standing. Both terms.

### **Relations 452.**

#### **COLLECTIVE BARGAINING**

3 credits

External and internal factors influencing the establishment of trade agreement and application of these provisions to day-to-day employer-employee problems through an analysis of authentic cases drawn from industry. Prerequisite: Relations 343. Fall term.

### **Relations 453.**

#### **WAGES AND LABOR MARKETS**

3 credits

Analyzes the economic and institutional factors operating in the labor market, the processes of wage determination, the determinants of the level and structure of employment, and labor productivity. Impact of union, management, and governmental policies on wages, prices, and employment. Prerequisites: Relations 343 and 344. Spring term.

### **Relations 454.**

#### **LABOR LEGISLATION**

3 credits

Analysis of the important federal statutes affecting labor-management relations, including the Railway Labor Act of 1926, the Norris-LaGuardia Act, the Taft-Hartley Act and the Landrum-Griffin Act. Prerequisites: Relations 343, 344 and senior standing. Fall term.



**Relations 555.****INTERNATIONAL LABOR-MANAGEMENT RELATIONS**

3 credits

Structure and operation of labor and management institutions in selected countries. Emphasis on individual labor-management relationships, as well as on the social, economic, and political environment conditioning these relationships. Prerequisites: Relations 343 and senior standing. Spring term.

**MARKETING**

GEORGE R. SWOYER, L.H.D., *Chairman*

*Associate Professors:* McCloskey, Reifsteck, Swoyer

*Instructor:* Tague

The Professional Option in Marketing consists of the following four courses in addition to the Principles of Marketing required of all students.

Personal Selling  
Management of Promotion  
Marketing Research  
Marketing Management

The following courses in Marketing may be taken as electives:

Sales Administration  
Industrial Marketing  
International Marketing

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**Marketing 260.****PRINCIPLES OF MARKETING**

3 credits

The marketing system: competition, pricing, product line, distribution systems, promotion and planning. Both terms.

**Marketing 361.****PERSONAL SELLING**

3 credits

The importance and practice of individual selling in the economy. Sales personality, the phases of a sales presentation, types of buyers and ethics in salesmanship. Prerequisite: Marketing 260. Fall term.

**Marketing 362.****MANAGEMENT OF PROMOTION**

3 credits

Theory and concepts employed by organizations in presenting their marketing messages through various communication media. Analysis of psychological, sociological and economic variables affecting promotion decisions; strengths and limitations of marketing communications models. Prerequisite: Marketing 260. Spring term.

**Marketing 463.****MARKETING RESEARCH**

3 credits

The use of scientific method in the solution of specific marketing problems and in the conduct of general market research studies: methods of marketing research, gathering data, tabulation and analysis, interpretation of results and report presentation. Prerequisites: Quantitative Analysis 370 and Marketing 260. Fall term.

**Marketing 464.****SALES ADMINISTRATION****3 credits**

The activities of a sales administrator in directing and controlling a sales force; recruiting, selecting, training, compensating, motivating and supervising salesmen; establishment of sales territories, quotas and budgets. Prerequisites: Marketing 260 and junior standing. Spring term.

**Marketing 465.****INDUSTRIAL MARKETING****3 credits**

Products, services and administration related to industrial marketing of capital equipment, technology and commodity items as well as systems. Planning (research sources, analysis, projection) and administration (advertising, promotion, audiences, result measurement), and case study supplemented by conventional lecture and discussion. Prerequisites: Marketing 260 and junior standing. Fall term.

**Marketing 466.****INTERNATIONAL MARKETING****3 credits**

Factors conditioning the feasibility of direct private foreign investment, recent trends, and managerial problems in operating abroad; case studies of experiences of U.S. firms having foreign operations. Prerequisite: Marketing 260. Fall term.

**Marketing 467.****MARKETING MANAGEMENT****3 credits**

Integrates all other Marketing courses. Study of actual cases encourages development of management capacity and ability to make decisions based on factual analysis. Prerequisite: senior standing. Spring term.

## **QUANTITATIVE ANALYSIS**

JOSEPH R. TROXELL, M.S.

The Professional Option in Quantitative Analysis consists of four of the following courses beyond the basic course in Business Statistics required of all business students.

**Concentration:**

Operations Research Models

**Three of the following:**

Intermediate Statistics

Quality Control and Reliability Assurance

Topics in Application of Statistics

Linear Programming

Topics in Operations Research

**Quantitative Analysis 270.****INTRODUCTION TO BUSINESS STATISTICS****3 credits**

Theory, methods, and applications of descriptive and inferential statistical techniques for management problem solving. Prerequisite: sophomore standing. Both terms.



**Quantitative Analysis 371.****OPERATIONS RESEARCH MODELS****3 credits**

Linear programming, dynamic programming, inventory theory, simulation, queueing models, and other topics from operations research. Prerequisites: Quantitative Analysis 270 and junior standing. Spring term.

**Quantitative Analysis 372.****INTERMEDIATE STATISTICS****3 credits**

Statistical inference; tests of significance; chi square, analysis of variance multiple and partial regression and correlation procedures. Other methods of analyzing data. Prerequisite: Quantitative Analysis 270. Spring term.

**Quantitative Analysis 373.****QUALITY CONTROL AND RELIABILITY ASSURANCE****3 credits**

Application of concepts of sampling, statistical inference, and experimental design to problems of reliability assurance and quality control in system design, production, and operation. Prerequisite: Quantitative Analysis 270. Fall term.

**Quantitative Analysis 474.****TOPICS OF APPLICATION OF STATISTICS****3 credits**

Selected topics from nonparametric statistics and sample survey methods, Bayesian Statistics, design of experiments, and other applications. Prerequisite: Quantitative Analysis 372. Spring term.

**Quantitative Analysis 475.****LINEAR PROGRAMMING****3 credits**

Formulation of linear models, linear algebra, simplex method, duality, parametric programming, and their applications to business problems. Prerequisite: Quantitative Analysis 371. Fall term.

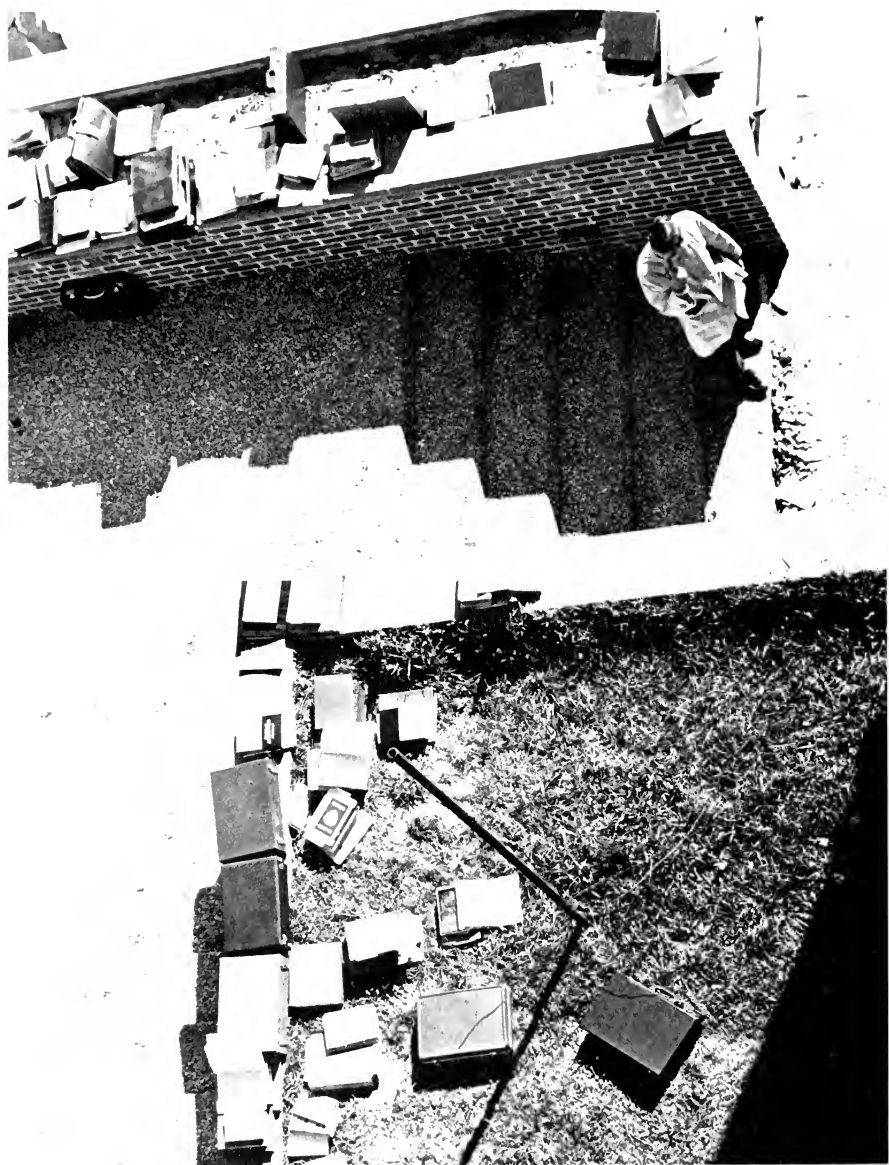
**Quantitative Analysis 576.****TOPICS OF OPERATIONS RESEARCH****3 credits**

Selected topics from simulation, dynamic programming and inventory models, applications of stochastic processes. Prerequisites: senior standing and consent of instructor. Spring term.

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## **SPECIAL OPTIONS**

The Special Option consists of a suitable combination of four advanced courses in the School of Business Administration or in other departments of the College. The Special Option is intended for those who elect a broad approach to their undergraduate education, for students who may have a professional objective for which the available professional options do not offer appropriate preparation, and for students who intend to enter graduate school and may wish to prepare themselves for advanced education through a special program of courses. For a Special Option program, the proposed program is submitted to the Office of the Dean of the School of Business Administration for approval.



# Directory

## College Administration

### BOARD OF TRUSTEES

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### **Academic Affairs**

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### **Committee on Promotions and Tenure**

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### **Curriculum**

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### **Admissions Policy**

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### **Fellowships**

Dr. Bernhardt Blumenthal, *Chairman*. Dr. Barth, Mr. Grady, Dr. Seydow, Dr. Weinstein, Brother Bangs.

### **Library**

Mr. Charles Fulforth, *Chairman*, Dr. Devlin, Dr. Cziraky, Mr. Sweeney, Mrs. Most, Brother Hawley, Miss Beltramo, Dr. Boudreau. Three student representatives.

### **Athletics**

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### **Recommendations for Medical and Dental Schools**

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### **Student Affairs**

Dr. Thomas McCarthy, *Chairman*. Mr. Dees, Brother Gresh, Miss Montgomery, Brother Martin, Mr. Moran, Mr. Pinto. Four student representatives.

### **Student Development**

Dr. Filicetti, Dr. Dixon, Mr. Galatola, Brother Bangs, Father Cimino, Mr. Dees, Brother Gresh, Miss Montgomery. Five student representatives.

### **Faculty-Student Judiciary**

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### **Public Relations**

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# Faculty of the College

BROTHER HUGH N. ALBRIGHT, F.S.C. ....	<i>Professor, Mathematics</i>
B.A., Catholic University	
M.A., Ph.D., University of Pennsylvania	
CARL J. ALLEN .....	<i>Assistant Professor, Philosophy</i>
B.A., Colorado College	
M.A., Notre Dame University	
RODDY V. AMENTA .....	<i>Assistant Professor, Earth Science</i>
B.A., University of Connecticut	
M.S., George Washington University	
Ph.D., Bryn Mawr College	
MELANIE S. ARCURI, C.P.A. ....	<i>Instructor, Accounting</i>
B.S., Bloomsburg State College	
M.S.B.A., Bucknell University	
CAROLYN W. ASHCRAFT .....	<i>Assistant Professor, Psychology</i>
B.S., University of North Carolina	
M.A., Ph.D., George Peabody College	
KAREN AVENICK .....	<i>Assistant Reference Librarian</i>
B.A., Chestnut Hill College	
M.S. in L.S., Drexel University	
CURTIS A. BAGNE .....	<i>Instructor, Psychology</i>
B.S., M.A., Michigan State University	
BROTHER ARTHUR J. BANGS, F.S.C. ....	<i>Assistant Professor, Education</i>
B.A., M.A., La Salle College	
M.A., University of Pittsburgh	
M.A., Ph.D., Catholic University	
MAX BARTH .....	<i>Professor, Chemistry</i>
B.A., Ph.D., New York University	
JAMES E. BIECHLER .....	<i>Instructor, Theology</i>
B.A., Marquette University	
M.A., St. Paul College	
J.C.L., Catholic University	
SAMUEL VAN BIRD .....	<i>Instructor, Sociology</i>
A.B., Fort Valley State College	
B.D., Seabury-Weston Theological Seminary	
M.A., Temple University	
ELVIRA BELTRAMO .....	<i>Cataloguer</i>
B.A., Louisiana State University	
B.S. in L.S., Louisiana State University	
NORBERT BELZER .....	<i>Assistant Professor, Biology</i>
B.A., La Salle College	
M.S., University of South Dakota	
Ph.D., Washington State University	

- BROTHER DANIEL BERNIAN, F.S.C. .... *Professor, French*  
*President Emeritus*  
 B.A., Catholic University  
 M.A., University of Pennsylvania  
 Ph.D., Laval University  
 LL.D., Villanova University, St. Joseph's College, Temple University
- JOSEPH J. BERNIER ..... *Assistant Professor, Psychology*  
 B.A., Juniata College  
 M.Ed., Rutgers University
- WILLIAM J. BINKOWSKI ..... *Associate Professor, Education*  
 B.S., La Salle College  
 M.A., University of Pennsylvania
- LAURA E. BLANKERTZ ..... *Instructor, Sociology*  
 B.A., Swarthmore College  
 M.A., Bryn Mawr College
- HENRY H. BLUM ..... *Assistant Professor, Management*  
 B.S., Syracuse University  
 M.A., University of Pennsylvania
- BERNHARDT G. BLUMENTHAL ..... *Associate Professor, German*  
 B.A., La Salle College  
 M.A., Northwestern University  
 Ph.D., Princeton University
- DIANE BLUMENTHAL ..... *Assistant Professor, German*  
 B.A., Lake Erie College  
 M.A., Northwestern University  
 Ph.D., University of Pennsylvania
- REVEREND JOHN BOGACZ ..... *Associate Professor, Biology*  
 M.S., Fordham University  
 Doctor of Science, University of Paris
- RICHARD P. BOUDREAU ..... *Professor, French*  
 B.A., Seton Hall University  
 M.A., Ph.D., Princeton University
- HELEN M. BRADY ..... *Instructor, Mathematics*  
 A.B., Chestnut Hill College  
 M.S. in Ed., University of Pennsylvania
- MARY E. BRODERICK ..... *Circulation Librarian*  
 B.S. in Ed., Millersville State Teachers College
- VICTOR D. BROOKS ..... *Associate Professor, Psychology*  
 B.S. in Ed., University of Pennsylvania  
 M.Ed., Ed.D., Temple University
- LEONARD A. BROWNSTEIN ..... *Associate Professor, Spanish*  
 B.A., M.A., Temple University  
 Ph.D., Bryn Mawr College
- YEHOSHUA BUCH ..... *Instructor, Finance*  
 B.S., Hebrew University of Jerusalem  
 M.B.A., Temple University



- BROTHER DANIEL BURKE, F.S.C. . . . . Professor, English  
 B.A., Catholic University  
 M.A., Ph.D., Catholic University
- JAMES BUTLER . . . . . Assistant Professor, English  
 B.A., La Salle College  
 M.A., Ph.D., Cornell University
- JOSEPH P. CAIRO . . . . . Assistant Professor, Economics  
 B.A., La Salle College  
 M.A., University of Pennsylvania
- BROTHER DANIEL CALLAHAN, F.S.C. . . . . Assistant Professor, Mathematics  
 B.A., M.A., La Salle College  
 M.A., University of Pittsburgh
- JOSEPH M. CARRIO . . . . . Assistant Professor, Spanish  
 B.A.S., University of Havana
- GEOFFREY CARTER . . . . . Assistant Professor, English  
 B.A., Honours, Cambridge University  
 Ph.D., University of Pennsylvania
- JOHN H. CHRISTIE . . . . . Lecturer, Insurance  
 B.S., La Salle College
- BROTHER F. CHRISTOPHER, F.S.C. . . . . Associate Professor, Biology  
 B.A., M.S., Ph.D, Catholic University
- CASIMIR CIESLA . . . . . Professor, Economics  
 Dr. Rer. Pol., University of Innsbruck
- GARY K. CLABAUGH . . . . . Assistant Professor, Education  
 B.A., Indiana State University (Pa.)  
 M.S., Temple University
- C. RICHARD CLEARY . . . . . Professor, Political Science  
 B.A., St. Peter's College  
 M.A., Ph.D., Fordham University
- THOMAS M. COFFEE . . . . . Associate Professor, Sociology  
 A.B., St. Benedict's College  
 M.A., Emory University  
 Ph.D., University of Notre Dame
- BROTHER DAMIAN CONNELLY, F.S.C. . . . . Professor, Mathematics  
 B.A., M.S., Ph.D., Catholic University  
 M.A., University of Notre Dame
- JOHN F. CONNORS . . . . . Associate Professor, Sociology  
 B.A., Mt. St. Mary's College  
 M.A., Ph.D., Catholic University
- JOHN T. CONNORS . . . . . Assistant Professor, Sociology  
 B.A., La Salle College  
 M.S.W., Fordham University  
 M.A., St. Joseph's College  
 M.A., Villanova University
- THOMAS E. COPELAND . . . . . Instructor, Finance  
 B.A., Johns Hopkins University  
 M.B.A., University of Pennsylvania

- ROBERT J. COURTNEY ..... *Professor, Political Science*  
 B.A., La Salle College  
 M.A., Niagara University  
 Ph.D., University of Pennsylvania
- DENNIS M. CUNNINGHAM ..... *Assistant Professor, English*  
 B.A., La Salle College  
 M.A., Villanova University
- CLARENCE W. CYR, COLONEL, ARTY. .... *Professor, Military Science*  
 B.S., United States Military Academy  
 M.A., Vanderbilt University  
 Diploma, Army War College
- J. SANDOR CZIRAKY ..... *Associate Professor, History*  
 B.A., La Salle College  
 M.A., University of Notre Dame  
 Ph.D., University of Pennsylvania  
 M.S. in L.S., Drexel University
- BROTHER EDWARD DAVIS, F.S.C. .... *Associate Professor, Theology*  
 Ph.B., M.A., Loyola College  
 M.A., La Salle College  
 Ph.D., Catholic University
- MICHAEL A. De ANGELIS ..... *Associate Professor, Accounting*  
 B.S., M.S., Temple University
- BROTHER GREGORY CLAUDE DEMITRAS, F.S.C. .... *Associate Professor, Chemistry*  
 A.B., M.A., La Salle College  
 Ph.D., University of Pennsylvania
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 B.A., La Salle College  
 M.A., Ph.D., University of Pennsylvania
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 Mus.B., M.A., University of Pennsylvania
- MICHAEL R. DILLON ..... *Assistant Professor, Political Science*  
 B.A., M.A., Ph.D., University of Notre Dame
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 M.A., D.Litt., University of Rome
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 Staatsexamen, Goettingen, Heidelberg  
 Ph.D., University of Bonn
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 B.A., J.D., Cornell University
- BROTHER THOMAS J. DONAGHY, F.S.C. .... *Associate Professor, History*  
 B.A., Catholic University  
 M.A., Ph.D., University of Pittsburgh
- BROTHER JOHN P. DONDERO, F.S.C. .... *Professor, Psychology*  
 B.A., La Salle College  
 M.Litt., University of Pittsburgh  
 M.A., Ph.D., Catholic University

- UGO DONINI ..... *Professor, History*  
B.A., M.A., University of Pennsylvania
- PAUL R. DORAN ..... *Associate Professor, English*  
B.A., Catholic University  
M.A., Ph.D., University of Pennsylvania
- JOHN A. DUFFY ..... *Assistant Professor, Economics*  
B.A., La Salle College  
Ph.D., Boston College
- \*DAVID P. EFROYMSON ..... *Assistant Professor, Theology*  
B.A., M.A., S.T.L., St. Mary of the Lake Seminary
- BROTHER F. PATRICK ELLIS, F.S.C. .... *Associate Professor, English*  
B.A., Catholic University  
M.A., Ph.D., University of Pennsylvania
- SHIRLEY ANN ERIKSSON ..... *Assistant Professor, English*  
A.B., University of Pennsylvania  
M.A., University of Connecticut
- PATRICK E. EVANS ..... *Assistant Professor, Mathematics*  
A.B., St. Anselm's College  
M.A., Washington State University
- THEOPOLIS FAIR ..... *Assistant Professor, History*  
B.A., Fiske University  
Diploma, University of Madrid  
M.A., Columbia University
- JAMES C. FALLON ..... *Assistant Professor, Philosophy*  
B.S., St. Joseph's College
- ROBERT T. FALLON ..... *Associate Professor, English*  
B.S., United States Military Academy  
M.A., Canisius College  
M.A., Ph.D., Columbia University
- WILLIAM J. FARNON ..... *Assistant Professor, Philosophy*  
A.B., St. Joseph's College  
M.A., Villanova University
- FLORENCE FAY ..... *Assistant Professor, Philosophy*  
B.A., Chestnut Hill College  
M.A., St. John's University
- DORANNE FENOALTEA ..... *Assistant Professor, French*  
B.A., Mount Holyoke College  
M.A., Ph.D., Harvard University
- PETER J. FILICETTI ..... *Associate Professor, Psychology*  
B.A., Holy Cross College  
M.A., Ph.D., Fordham University
- EUGENE J. FITZGERALD ..... *Associate Professor, Philosophy*  
B.A., La Salle College

- JOSEPH F. FLUBACHER ..... *Professor, Economics*  
 B.A., La Salle College  
 M.A., Ed.D., Temple University
- FRED J. FOLEY, JR. .... *Instructor, Political Science*  
 B.A., St. Joseph's College  
 M.A., Princeton University
- RABBI BERNARD S. FRANK ..... *Lecturer, Theology*  
 B.A., Brandeis University  
 B.H.L., M.A.H.L., Hebrew Union College
- PETER FRANK ..... *Assistant Professor, English*  
 B.A., University of Notre Dame  
 M.A., Catholic University
- CARL L. FROMUTH ..... *Assistant Professor, Education*  
 B.S., M.S., Temple University
- CHARLES J. FULFORTH ..... *Acquisitions Librarian*  
 B.A., La Salle College  
 M.A.L.S., University of Michigan
- ANTHONY GALATOLA ..... *Assistant Professor, Physics*  
 B.S., Brooklyn College  
 Ph.D., University of Pennsylvania
- RAMON GARCIA-CASTRO ..... *Assistant Professor, Spanish*  
 B.A., University of Chile  
 M.A., Harvard University
- HELMUT J. GAUSS, MAJOR, ARTY. .... *Assistant Professor, Military Science*  
 B.A., La Salle College
- JOSEPH E. GEMBALA ..... *Lecturer, Business Law*  
 B.A., La Salle College  
 B.B.L., Temple University
- RICHARD T. GERUSON ..... *Assistant Professor, Economics*  
 A.B., Fordham University  
 M.A., New York University
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 B.A., S.T.B., Ph.L., West Baden College
- \*ROBERT M. GILLIGAN ..... *Assistant Professor, Psychology*  
 B.A., University of Dayton  
 M.A., University of Connecticut
- BROTHER THOMAS GIMBORN, F.S.C. .... *Professor, Theology*  
 B.A., M.A., Ph.D., Catholic University  
 M.A., Notre Dame University
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 B.S., M.A., Ph.D., University of Pennsylvania
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 B.A., University of Notre Dame

\*On leave

- BROTHER CHARLES E. GRESH, F.S.C. . . . . Assistant Professor, English  
 B.A., M.A., La Salle College  
 M.Litt., University of Pittsburgh
- BROTHER F. VINCENT GRIMES, F.S.C. . . . . Professor, Psychology  
 B.A., M.A., Ph.D., Catholic University
- FRANCIS J. GUERIN, C.P.A. . . . . Associate Professor, Accounting  
 B.S., La Salle College
- BROTHER MARK GUTTMANN, F.S.C. . . . . Associate Professor, Physics  
 B.S., M.S., Catholic University  
 Ph.D., University of Notre Dame
- JONATHAN D. HAIGHT, CAPTAIN, ARTY. . . . . Assistant Professor, Military Science  
 B.A., Alfred University
- REVEREND RAYMOND F. HALLIGAN, O.P. . . . . Assistant Professor, Theology  
 B.A., Providence College  
 S.T.B., S.T.L., Pontifical Institute of the Immaculate Conception  
 M.A.S.S., St. Louis University
- CHARLES A. J. HALPIN, JR. . . . . Professor, Industry  
 B.S., La Salle College  
 LL.B., Temple University  
 M.A., University of Pennsylvania
- WILLIAM H. HAMMILL . . . . . Instructor, English  
 B.A., La Salle College  
 M.A., Temple University
- JAMES A. HANES . . . . . Assistant Professor, Art  
 Artist in Residence  
 Diploma, Pennsylvania Academy of Fine Arts  
 Fellow of the American Academy in Rome
- HOWARD L. HANNUM . . . . . Associate Professor, English  
 B.A., La Salle College  
 M.A., Ph.D., University of Pennsylvania
- JOHN J. HANRATTY, C.P.A. . . . . Assistant Professor, Accounting  
 B.A., La Salle College  
 M.B.A., Drexel University
- BROTHER RICHARD HAWLEY, F.S.C. . . . . Assistant Professor, Biology  
 B.A., M.A., Catholic University
- ARTHUR L. HENNESSY . . . . . Associate Professor, History  
 B.A., Catholic University  
 M.A., Harvard University  
 Ph.D., Georgetown University
- KENNETH L. HILL . . . . . Assistant Professor, Political Science  
 B.A., Hofstra University  
 M.A., New York University
- CHARLES E. HOFMANN, III . . . . . Assistant Professor, Mathematics  
 B.A., M.A., Villanova University  
 Ph.D., Temple University

- ROLAND HOLROYD, A.F.S.C. .... *Professor, Biology*  
 B.S. in Biol., M.A., Ph.D., University of Pennsylvania  
 Sc.D., La Salle College
- FINN HORNUM .... *Assistant Professor, Sociology*  
 B.A., University of Copenhagen  
 M.A., Haverford College
- ALLAN JANIK .... *Assistant Professor, Philosophy*  
 B.A., St. Anselm's College  
 M.A., Villanova University  
 Ph.D., Brandeis University
- BROTHER F. JOSEPH, F.S.C. .... *Assistant Professor, German*  
 B.A., Villanova University  
 B.S. in L.S., Drexel University  
 M.A., University of Pennsylvania
- WALTER J. KAISER, C.P.A. .... *Associate Professor, Accounting*  
 B.S., La Salle College
- KATHRYN KALKHOF .... *Instructor, Philosophy*  
 A.B., Connecticut College  
 A.M., Bryn Mawr College
- \*BROTHER FRANCIS X. KAMERDZE .... *Associate Professor, Sociology*  
 B.A., M.A., Ph.D., Catholic University
- JOSEPH A. KANE .... *Assistant Professor, Economics*  
 B.S., La Salle College  
 M.S., St. Louis University
- JOHN J. KEENAN .... *Associate Professor, English*  
 B.A., La Salle College  
 M.A., University of Pennsylvania
- \*BROTHER JOSEPH KEENAN, F.S.C. .... *Assistant Professor, Theology*  
 B.A., M.A., La Salle College
- CHARLES V. KELLY .... *Professor, English*  
 B.A., St. Joseph's College  
 M.A., University of Pennsylvania
- JOSEPH A. KENDRA, CAPTAIN, ARTY. ... *Assistant Professor, Military Science*  
 B.A., La Salle College
- MICHAEL J. KERLIN .... *Associate Professor, Philosophy*  
 B.A., M.A., La Salle College  
 Ph.B., Ph.L., Ph.D., Gregorian University, Rome
- JOHN C. KLEIS .... *Assistant Professor, English*  
 B.A., M.A., University of Michigan  
 Ph.D., University of Pennsylvania
- CLAUDE F. KOCH .... *Professor, English*  
 B.S., La Salle College  
 M.A., University of Florida
- JOSEPH D. KOVATCH .... *Associate Professor, Psychology*  
 B.S., Villanova University  
 M.A., Ph.D., University of Ottawa

\*On leave

- KENNETH P. KRAMER ..... Assistant Professor, Theology  
 B.A., Ph.D., Temple University  
 B.D., Andover Newton Theological School  
 S.T.M., Yale Divinity School
- RAYMOND KSIAZEK ..... Assistant Professor, Biology  
 B.A., La Salle College
- MIROSLAV LABUNKA ..... Assistant Professor, History  
 B.A., Culemborg, Netherlands  
 M.S. in L.S., Columbia University  
 Licence en Sciences Historiques, Louvain
- JAMES LANG ..... Lecturer, Art  
 B.F.A., B.S. in Ed., M.F.A., Temple University
- EUGENE LASHCHYK ..... Assistant Professor, Philosophy  
 B.A., M.A., City College of New York  
 Ph.D., University of Pennsylvania
- RICHARD E. LAUTZ ..... Assistant Professor, English  
 B.S., State University College at Buffalo, N.Y.  
 M.A., University of Arkansas  
 Ph.D., University of Pennsylvania
- RICHARD C. LEONARD ..... Associate Professor, Sociology  
 A.B., St. Thomas College  
 M.A., Ph.D., Catholic University
- STEPHEN B. LEONARD ..... Instructor, Mathematics  
 A.B., Middlebury College  
 M.S., Lehigh University
- THOMAS J. LOWERY ..... Associate Professor, Biology  
 B.S., St. Francis College, Brooklyn  
 M.S., Ph.D., Fordham University
- ATHERTON C. LOWRY ..... Instructor, Philosophy  
 B.A., Georgetown University  
 M.A., Fordham University
- JOHN LUKACS ..... Lecturer, History  
 Ph.D., University of Budapest
- BRUCE V. MacLEOD ..... Associate Professor, Industry  
 B.A., University of Maine  
 M.I.A., Yale University  
 Ph.D., Case Western Reserve University
- SIDNEY J. MacLEOD, JR. .... Assistant Professor, English  
 B.S.S., St. Mary's College (Minn.)  
 M.F.A., Catholic University
- JOHN J. McCANN ..... Assistant Professor, French  
 B.A., La Salle College  
 M.A., Ph.D., University of Pennsylvania
- DENNIS J. McCARTHY ..... Associate Professor, History  
 B.A., La Salle College  
 M.A., Fordham University

- THOMAS N. MCCARTHY ..... *Professor, Psychology*  
 B.A., Catholic University  
 M.A., Catholic University  
 Ph.D., University of Ottawa
- CARL P. McCARTY ..... *Assistant Professor, Mathematics*  
 B.A., La Salle College  
 M.A., Ph.D., Temple University
- \*JOSEPH D. McCLATCHY, JR. .... *Instructor, English*  
 B.A., Georgetown University
- CHARLES McCLELLAND ..... *Lecturer, English*  
 B.A., M.A., La Salle College
- JOHN McCLOSKEY ..... *Associate Professor, Marketing*  
 B.S., La Salle College  
 M.B.A., Temple University
- BROTHER G. VINCENT McENTEE ..... *Assistant Professor, Sociology*  
 B.A., La Salle College  
 M.A., University of Pittsburgh  
 M.Ed., Temple University  
 LL.D., St. Vincent's College
- PHILIP E. McGOVERN ..... *Assistant Professor, Political Science*  
 B.A., La Salle College  
 M.A., Villanova University  
 Ph.D., Case Western Reserve University
- MARGARET McKENNA ..... *Instructor, Theology*  
 A.B., Chestnut Hill College  
 M.A., University of Notre Dame
- CHARLES W. McLEOD, JR., MAJOR, ARTY. ....  
*Assistant Professor, Military Science*  
 B.S., Virginia State College
- ORMOND P. MACORETTA ..... *Assistant Professor, Philosophy*  
 B.A., St. Michael's College, University of Toronto  
 M.A., University of Toronto
- RITA S. MALL ..... *Assistant Professor, French*  
 B.A., Brooklyn College  
 M.A., New York University  
 Ph.D., University of Illinois
- JOHN A. MALONE ..... *Lecturer, Chemistry*  
 B.S., Villanova University
- JOSEPH G. MARKMANN, C.P.A. .... *Associate Professor, Accounting*  
 B.S., La Salle College
- BROTHER WILLIAM J. MARTIN, F.S.C. .... *Associate Professor, Theology*  
 B.A., Catholic University  
 M.A., University of Pittsburgh  
 S.R.L., Pontifical Institute "Jesus Magister"  
 S.T.D., Lateran University, Rome

\*On leave



- JOSEPH C. MIHALICH ..... *Professor, Philosophy*  
 B.A., M.A., Duquesne University  
 Ph.D., Georgetown University
- LOTTIE MITCHELL ..... *Lecturer, Psychology*  
 B.S., Howard University  
 M.Ed., Temple University
- BROTHER EMERY C. MOLLENHAUER, F.S.C. .... *Associate Professor, English*  
 B.A., Catholic University  
 M.A., Ph.D., University of Pittsburgh
- JOHN T. MOONEY ..... *Assistant Professor, Mathematics*  
 B.A., La Salle College  
 B.S., University of Scranton  
 M.A., Villanova University
- JOSEPH P. MOONEY ..... *Professor, Economics*  
 B.A., La Salle College  
 M.A., Ph.D., University of Pennsylvania
- JOSEPH L. MORAN ..... *Associate Professor, Spanish*  
 B.A., La Salle College  
 M.A., Middlebury College
- GLENN A. MOROCCO ..... *Assistant Professor, French*  
 B.S., Miami University of Ohio  
 M.A., Middlebury College
- GEORGETTE M. MOST ..... *Reference Librarian*  
 B.A., Swarthmore College  
 B.S. in L.S., Drexel University
- BROTHER JAMES MULDOON, F.S.C. .... *Assistant Professor, Biology*  
 B.A., La Salle College  
 Ph.D., Case Western Reserve University
- FRANCIS J. NATHANS ..... *Associate Professor, Political Science*  
 B.A., La Salle College  
 M.A., University of Pennsylvania
- E. RUSSELL NAUGHTON ..... *Professor, Philosophy*  
 B.A., Providence College  
 M.A., Ph.D., Catholic University
- JOSEPH P. O'GRADY ..... *Associate Professor, History*  
 B.A., La Salle College  
 M.A., University of Notre Dame  
 Ph.D., University of Pennsylvania
- MICHAEL A. O'MEARA ..... *Instructor, Finance*  
 B.A., Villanova University
- BROTHER JOHN O'NEILL, F.S.C. .... *Assistant Professor, Mathematics*  
 B.A., Catholic University  
 M.A., Villanova University  
 Ph.D., University of Pittsburgh

- BROTHER GREGORY PAUL, F.S.C. .... Professor, Chemistry  
 President Emeritus  
 B.S., M.S., Ph.D., Catholic University  
 LL.D., Villanova University
- \*WALTER J. PAULITS ..... Associate Professor, English  
 B.S., Catholic University  
 M.A., Ph.D., University of Pittsburgh
- JOHN S. PENNY ..... Professor, Biology  
 B.A., La Salle College  
 M.S., Ph.D., University of Pennsylvania
- GEORGE A. PERFECKY ..... Assistant Professor, Russian  
 B.A., University of Pennsylvania  
 M.A., Ph.D., Columbia University
- MARK G. PFEIFFER ..... Associate Professor, Psychology  
 B.A., Eastern Baptist College  
 M.A., Ph.D., Temple University
- THOMAS R. PHILLIPS ..... Assistant Professor, Philosophy  
 B.A., M.A., University of Notre Dame
- RAYMOND J. PIERZCHALSKI ..... Associate Professor, Philosophy  
 B.A., M.A., Catholic University  
 Ph.D., University of Ottawa
- FRANK A. PINTO ..... Instructor, History  
 B.A., La Salle College  
 M.A., Villanova University
- JEROME PLATT ..... Lecturer, Psychology  
 A.B., University of Missouri  
 M.S., Ph.D., University of Georgia
- ROBERT F. POLEK ..... Lecturer, Chemistry  
 B.A., La Salle College
- JOAN FAYE PRITCHARD ..... Assistant Professor, Psychology  
 B.A., Greensboro College  
 Ph.D., Kansas State University
- P. SREENIVASA RAO ..... Assistant Professor, English  
 B.A., M.A., University of Mysore
- JOHN F. REARDON ..... Assistant Professor, Accounting  
 B.S., La Salle College  
 M.B.A., University of Pittsburgh
- THOMAS REIFSTECK ..... Associate Professor, Marketing  
 B.S., La Salle College  
 M.B.A., University of Pennsylvania
- STEPHEN C. RICCIARDI ..... Instructor, Economics  
 A.B., Boston University  
 M.Sc. in Economics, London School of Economics

---

\*On leave

- THOMAS M. RIDINGTON ..... *Assistant Professor, Art*  
 B.A., Haverford College  
 M.Ed., Temple University  
 M.A., M.F.A., University of Pennsylvania
- DANIEL J. RODDEN ..... *Professor, English*  
 B.A., La Salle College  
 M.F.A., Catholic University
- MARILYN ROEHM ..... *Assistant Professor, Education*  
 B.S., M.A., Syracuse University
- JOHN J. ROONEY ..... *Professor, Psychology*  
 B.A., La Salle College  
 M.A., Ph.D., Temple University
- JOHN P. ROSSI ..... *Associate Professor, History*  
 B.A., La Salle College  
 M.A., University of Notre Dame  
 Ph.D., University of Pennsylvania
- LEO D. RUDNYTZKY ..... *Associate Professor, German*  
 B.A., La Salle College  
 M.A., University of Pennsylvania  
 Ph.D., University of Munich
- ALFRED A. RUGGIERO ..... *Instructor, English*  
 B.A., La Salle College  
 M.A., St. Louis University
- SISTER ALICE RUTHERFORD, A.C.J. .... *Instructor, Theology*  
 A.B., Chestnut Hill College  
 M.A., La Salle College  
 Diploma, "Regina Mundi" Pontifical Institute, Rome
- BRONISLAW S. SADNICKI ..... *Lecturer, Economics*  
 Doctor of Economics and Commerce, University of Rome
- EUGENE D. SAPADIN ..... *Assistant Professor, Philosophy*  
 B.A., Middlebury College  
 M.A., Harvard University  
 Ph.D., Claremont Graduate School & University Center
- BROTHER GILBERT JUDE SAPONE, F.S.C. .... *Associate Professor, Classics*  
 B.A., M.A., La Salle College  
 M.Litt., Ph.D., University of Pittsburgh
- REVEREND MAURICE B. SCHEPERS, O.P. .... *Associate Professor, Theology*  
 B.A., Dominican House of Studies  
 S.T.L., Pontifical Institute of the Immaculate Conception  
 S.T.D., University of St. Thomas, Rome
- CHARLES H. SCHRADER ..... *Assistant Professor, Psychology*  
 B.S., M.S., Ph.D., University of Iowa
- FRANK J. SCHREINER ..... *Associate Professor, Psychology*  
 B.S., Millersville State College  
 Ed.M., Ed.D., Temple University

- JOHN J. SEYDOW ..... Assistant Professor, English  
B.A., La Salle College  
M.A., Ph.D., Ohio University
- BROTHER EDWARD PATRICK SHEEKEY, F.S.C. . . Associate Professor, English  
B.A., M.A., La Salle College
- JOSEPH W. SIMMONS ..... Associate Professor, Physics  
B.S., M.S., University of Notre Dame
- JOHN ALEXANDER SMITH ..... Associate Professor, Psychology  
B.A., La Salle College  
M.S., Pennsylvania State University  
Ed.D., Temple University
- BERTRAM STRIEB ..... Assistant Professor, Physics  
B.A., M.S., University of Pennsylvania
- RICHARD F. STROSSER ..... Associate Professor, Philosophy  
B.A., La Salle College  
M.A., Catholic University
- MARIA M. SUAREZ ..... Assistant Professor, Spanish  
B.Litt. & Sc., Havana Institute  
Diploma, Teachers College, Havana  
Ph.D., University of Havana
- BROTHER NICHOLAS SULLIVAN, F.S.C. .... Associate Professor, Earth Science  
B.A., Catholic University  
M.S., University of Pittsburgh  
Ph.D., University of Notre Dame  
D.Sc., University of Melbourne; University of Kyoto; Notre Dame College,  
Pakistan; University of San Carlos, Philippines
- PETER J. SWEENEY ..... Associate Professor, Accounting  
B.S., La Salle College  
M.B.A., University of Pennsylvania
- WILLARD SWEETSER ..... Assistant Professor, Mathematics  
B.S., United States Naval Academy  
M.A., Purdue University
- GEORGE R. SWOYER ..... Associate Professor, Marketing  
B.S., La Salle College  
M.B.A., University of Pennsylvania  
L.H.D., Combs College of Music
- JOSEPH L. TAGUE ..... Instructor, Marketing  
B.S., Mt. St. Mary's College  
M.B.A., Temple University
- RALPH TEKEL ..... Associate Professor, Chemistry  
B.S., Brooklyn Polytechnic Institute  
M.S., Ph.D., Purdue University
- RALPH R. THORNTON ..... Assistant Professor, English  
B.A., Washington College  
M.A., Ph.D., University of Pennsylvania

- \*REVEREND JOSEPH A. TRAVERS, O.S.F.S. . . . . Assistant Professor, Theology  
 B.A., Catholic University  
 S.T.B., S.T.L., University of Fribourg, Switzerland
- JOSEPH R. TROXELL . . . . . Instructor, Quantitative Analysis  
 B.S., Muhlenberg College  
 M.S., Rutgers University
- WEI TSENG . . . . . Instructor, Mathematics  
 B.S., National Taiwan University  
 M.S., New York University
- BRUCE TULLY . . . . . Assistant Professor, Philosophy  
 B.A., Rutgers University  
 M.A., Villanova University
- BROTHER LUKE TUPPENY, F.S.C. . . . . Assistant Professor, Theology  
 B.A., M.A., Catholic University  
 M.A., La Salle College  
 M.A., University of Notre Dame
- REVEREND LEÓ M. VAN EVERBROECK . . . . . Assistant Professor, Theology  
 B.A., Immaculate Heart Seminary, Louvain  
 M.A., Villanova University  
 Diplome, Lumen Vitae Institute, Brussels
- BROTHER ANTHONY WALLACE, F.S.C. . . . . Assistant Professor, Education  
 B.A., M.A., Catholic University  
 Ed.D., Duquesne University
- EDWARD H. WATSON . . . . . Lecturer, Earth Science  
 A.B., Ph.D., Johns Hopkins University
- TINA-KAREN WEINER . . . . . Assistant Cataloguer  
 B.F.A., Temple University  
 M.S.L.S., Drexel University
- MINNA F. WEINSTEIN . . . . . Associate Professor, History  
 B.A., M.A., Ph.D., University of Maryland
- ROBERT R. WESTERMAN . . . . . Instructor, Industrial Management  
 B.S., U. S. Naval Academy  
 M.P.H., University of North Carolina  
 M.A., University of Pennsylvania
- PAUL W. WESTHEAD . . . . . Lecturer, English  
 A.B., St. Joseph's College  
 M.A., Villanova University
- \*CHARLES WHITE . . . . . Assistant Professor, Music  
 Diploma, Staatsakademie fur Musik, Vienna  
 M.M., Temple University
- JOHN CARROLL WHITE . . . . . Assistant Professor, Theology  
 B.A., M.A., Catholic University

- \*BROTHER PHILIP WHITMAN, F.S.C. . . . . Associate Professor, Accounting  
 B.S., Loyola College  
 M.A., La Salle College  
 M.B.A., University of Pennsylvania
- SAMUEL J. WILEY . . . . . Assistant Professor, Mathematics  
 B.S., St. Joseph's College  
 M.A., Villanova University  
 Ph.D., Temple University
- JEFFREY B. WILLENS . . . . . Instructor, English  
 B.A., M.A., Temple University
- BROTHER RAYMOND WILSON, F.S.C. . . . . Professor, Chemistry  
 B.A., University of Scranton  
 M.S., University of Pennsylvania  
 Ph.D., Georgetown University
- MELVIN F. WOODS . . . . . Associate Professor, Finance  
 B.A., St. Vincent's College  
 M.A., Temple University
- \*CHARLES B. WURTZ . . . . . Associate Professor, Biology  
 B.S., M.S., University of Pittsburgh  
 Ph.D., University of Pennsylvania
- JEROME A. ZALESKI . . . . . Lecturer, Business Law  
 B.S., La Salle College  
 J.D., Temple University
- GERALD J. ZICCARDI . . . . . Circulation Assistant  
 B.A., La Salle College  
 M.S. in L.S., Villanova University

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\*On leave



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# **La Salle College Calendar 1971-1972**

## **FALL SEMESTER**

Aug. 30 to Sept. 2  
Sept. 5  
Sept. 7  
Sept. 8  
Nov. 1  
Nov. 25-26  
Dec. 15-22

Registration  
Freshman residents report  
Registration for residents  
Beginning of classes  
All Saints Day—holiday  
Thanksgiving holidays  
Final examinations

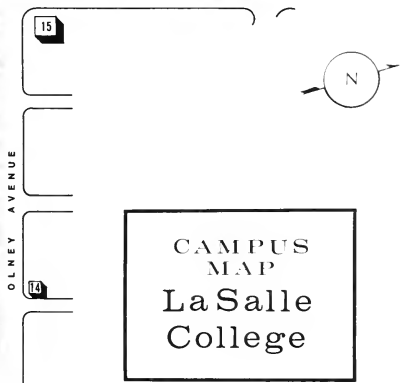
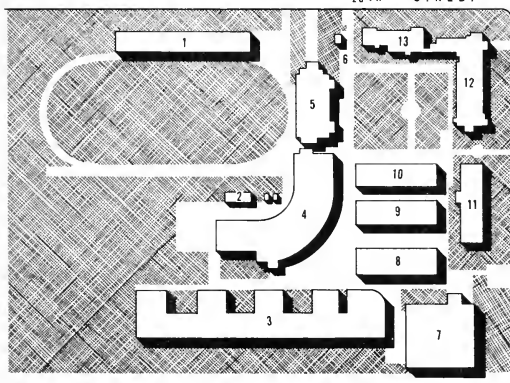
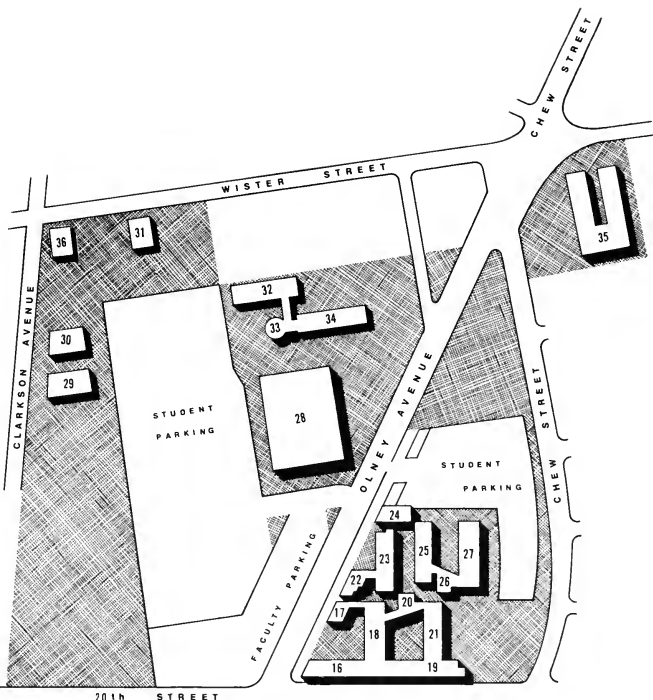
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## **SPRING SEMESTER**

Jan. 11-14  
Jan. 17  
March 30  
April 10  
May 1-8  
May 16  
May 17

Registration  
Beginning of classes  
Easter vacation begins 4:30 P.M.  
Classes resume  
Final examinations  
Senior Reception  
Baccalaureate Mass, Commencement

ADMISSIONS OFFICE	15
ART GALLERY	29
ART STUDIO	30
BENILDE HALL	8
CAMPUS SECURITY OFFICE	6
CHRISTIAN BROTHERS' RESIDENCE	13
COLLEGE HALL	12
COLLEGE UNION	4
DAVID LAWRENCE MEMORIAL LIBRARY	11
DISPENSARY	24
FINANCIAL AID OFFICE	14
HAYMAN HALL — ATHLETIC FACILITIES BUILDING	28
LA SALLE HALL APARTMENTS	35
LEONARD HALL	9
LIBRARY	11
LOUNGE ALBERT/HILARY	17
LOUNGE BERNARD/DENIS	26
LOUNGE CASSIAN/JEROME	20
LOUNGE EDWARD/FRANCIS	33
MCCARTHY HALL	1
MCSHAIN HALL	10
MUSIC STUDIO	28
NEW ACADEMIC BUILDING	3
RESIDENTS' MAILROOM	22
ROLAND HOLROYD SCIENCE CENTER	7
ST. ALBERT HALL	18
ST. BERNARD HALL	25
ST. CASSIAN HALL	21
ST. DENIS HALL	27
ST. EDWARD HALL	34
ST. FRANCIS HALL	32
ST. GEORGE HALL	23
ST. HILARY HALL	16
ST. JEROME HALL	19
TEXTBOOK STORE	2
URBAN STUDIES CENTER	36
WINDSOR HOUSE — ALUMNI OFFICE AND DEVELOPMENT OFFICE	31
WISTER HALL	5



CAMPUS  
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